

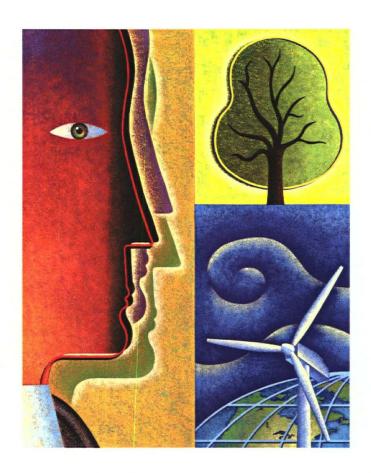


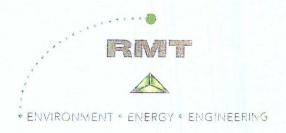
Quarterly Monitoring Report 4th Quarter 2010

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey

USEPA ID No. NJD002168748

May 2011





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Section 1 Introduction and Summary

RMT, Inc. (RMT), on behalf of L.E. Carpenter & Company (LEC), has prepared this Quarterly Monitoring Report for the Dayco Corporation/L.E. Carpenter Superfund Site ("Site") located at 170 North Main Street, Borough of Wharton, Morris County, New Jersey (Figure 1). Quarterly groundwater and surface water monitoring events are performed and associated reports are completed and submitted to the United States Environmental Protection Agency (USEPA), to comply with paragraph 49 of the 2009 Unilateral Administrative Order (UAO) issued to LEC by the USEPA (effective August 6, 2009).

RMT completed the following tasks during the first quarter of 2011 (1Q11):

- Quarterly groundwater quality monitoring of both the MW19/HS-1 and MW-30 areas of concern (AOCs),
- Quarterly Monitored Natural Attenuation (MNA) groundwater monitoring of the MW-30 AOC,
- Hydrogeologic and hydrologic assessments of shallow site groundwater and adjacent surface water bodies, and
- Surface water quality assessments of the Rockaway River and Eastern Drainage Channel.

This Quarterly Monitoring Report for 1Q11 presents a discussion of activities performed during the period and results obtained for each of the monitored AOCs. A summary of observations are as follows:

MW19/HS-1: Consistent with the Remedial Action Work Plan (RAWP) Addendum approved by USEPA on December 21, 2009, implementation of the MW19/HS-1 area remediation began on January 11, 2010 and was completed in mid-April 2010.

Documentation of the event was included in the Addendum to the Remedial Action Report (RAR Addendum), submitted on July 19, 2010, along with a proposed post remedial monitoring plan (PRMP) which included supplemental monitoring well installation, soil gas sampling, and groundwater quality analysis for the area. The PRMP has been implemented beginning with installation of new monitoring wells and soil gas sampling in November and December 2010. Data summarized in this 1Q11 report show that BTEX-impacted groundwater remains, but still has not migrated off-site. As discussed in the 4Q10 report (RMT, February 2011), 1,3-butadiene, observed in soil gas during the 4Q10 sampling event is not considered a site-related COC. This conclusion was drawn in part because there are no recorded detections of 1,3-butadiene during groundwater monitoring previously conducted in the MW19/HS-1 area. Groundwater sampling and analysis for the

- 1Q11 event confirmed that 1,3-butadiene was not present in groundwater at detectable concentrations in the MW19/HS-1 area. Also, as described in Section 4, natural attenuation of COCs dissolved in groundwater via biodegradation remains strong following removal of source material. Based on the 1Q11 data obtained, continuation of groundwater quality and MNA monitoring in the MW19/HS-1 area is recommended.
- <u>MW-30 Area of Concern:</u> Shallow groundwater flow in the MW-30 area is similar to flow that occurred prior to the 2005 source reduction. Specifically, shallow groundwater at the Site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam. The effect of the buried slurry monolith on groundwater flow appears to be limited in extent and occurs mainly within and near the edges of the Source Reduction area. Concentrations of constituents detected within the MW-30 PRMP monitoring network exhibited similar concentrations to previous monitoring periods.
 - A scope of work to further evaluate the source of groundwater contamination above solubility limits in the wetland area and a pilot test to evaluate polishing-remediation of dissolved bis 2-ethylhexylphthalate (DEHP) remaining in the slurry monolith area was presented in RMT's September 3, 2009 Addendum to the USEPA approved RAWP. USEPA provided comments on the Addendum to the RAWP in an email dated December 21, 2009. Responses to the MW-30 area specific comments were submitted to the USEPA on February 1, 2010 and approved by USEPA in their email dated February 22, 2010. LEC anticipates initiating the remedial investigation and dissolved phase remedial pilot work in the MW-30 area shortly after USEPA approval of the complete RAWP Addendum #2 (see Section 7.1 for additional details).
- Surface Water: COCs were not detectable in any of the Rockaway River samples. Surface water sample SW-D-2 collected from the Eastern Drainage Channel exhibited DEHP at concentrations slightly above background. Ethylbenzene and total xylenes were detected above background at SW-D-4 in the Eastern Drainage Channel. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) were not detected at any other surface water monitoring locations in the Eastern Drainage Channel.

Section 2 Sampling Approach and Methods

RMT conducted the 1Q11 monitoring activities March 14 - 17, 2011. A site plan showing current conditions and locations of the monitoring points sampled this quarter are shown on Figure 2. A photo summary of the sampling events and a copy of the field notes are provided in Appendix A.

2.1 Water Level Measurements

RMT measured static groundwater levels within 35 groundwater monitoring wells throughout the Site on March 14, 2011 as part of the 1Q11 sampling activities. In addition, surface water levels were measured at eight separate locations along the Rockaway River and five locations along the Eastern Drainage Channel.

2.2 Site Wide Groundwater Sampling

Groundwater monitoring was performed in accordance with the procedures contained in the NJDEP's *Field Sampling Procedures Manual* dated May 1992 (Revised August 2005), and methodologies outlined in our May 2001 Monitored Natural Attenuation (MNA) work plan. The MNA work plan was approved by NJDEP on January 24, 2002.

Three (3) sample duplicates, three (3) trip blanks, a field (atmosphere) blank, two (2) matrix spike/matrix spike duplicates (MS/MSDs), and three (3) rinsate blanks were collected to satisfy Quality Assurance / Quality Control (QA/QC) requirements outlined in the revised Quality Assurance Project Plan (QAPP) presented as Appendix C in the PRMP.

The trip blanks were prepared by the laboratory and remained with the sample containers until the samples were returned to the laboratory where they were analyzed for BTEX. The blind duplicate samples were collected at SW-D-4 (Dup-01), MW-28s (Dup-02), and MW-19-14 (Dup-03) and analyzed for BTEX and DEHP. Dup-02 and Dup-03 were also analyzed for MNA parameters. Rinsate blank RB-02 and RB-03 were collected by circulating distilled water through the cleaned bladder pump assemblies to verify that decontamination procedures were adequate. Any sampling equipment used at each well was decontaminated prior to each use utilizing an environmental detergent (Alconox®) and clean water wash followed by a distilled water rinse. The field (atmosphere) blank was taken by opening a bottle of unpreserved distilled water, leaving the bottle open during the sampling of one well, and pouring that water directly into clean sample bottles with added preservative also provided by the laboratory. RMT submitted groundwater samples to Trace Analytical Laboratories, Inc (Trace), located in

Muskegon, Michigan for BTEX, DEHP, and MNA parameter analyses (State of New Jersey Lab Certification No. MI008).

2.3 Surface Water Sampling

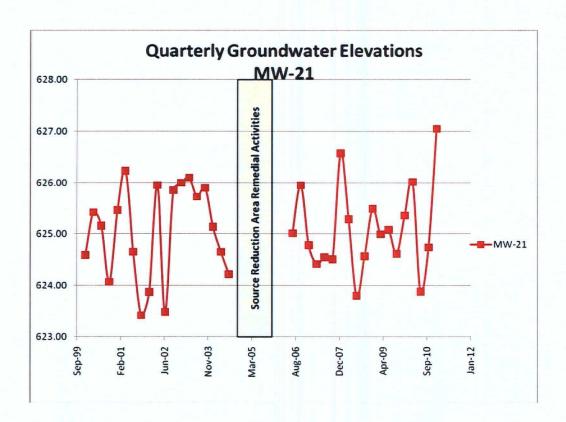
As part of the 1Q11 event, RMT sampled five points (SW-D-1, SW-D-2, SW-D-3, SW-D-4, and SW-D-5) within the Eastern Drainage Channel that separates the adjacent Air Products property from the LEC site and the adjacent Wharton Enterprises property for surface water quality. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005. RMT also collected surface water samples at the intersection of the Eastern Drainage Channel and the Rockaway River (approximately 10 feet upstream in the Eastern Drainage Channel, DRC-02) and five surface water samples from the Rockaway River (SW-R-1, SW-R-2, SW-R-3, SW-R-4, SW-R-6) as shown on Figure 2.

Specifics regarding surface water sampling locations, frequency and analytes are presented in the PRMP and associated QAPP. RMT submitted surface water samples to Trace Laboratory for analysis of BTEX and DEHP.

Section 3 Groundwater Elevation and Shallow Groundwater Flow

RMT measured static groundwater levels within 35 groundwater monitoring wells throughout the Site on March 14, 2011 as part of the 1Q11 sampling activities. In addition, surface water levels were measured at seven separate locations along the Rockaway River and five locations along the Eastern Drainage Channel. The staff gauge located at DRC-02 was not accessible during the 1Q11 sampling event due to elevated surface water levels in this area. These data were used to calculate groundwater elevations (Table 1) with respect to the National Geodetic Vertical Datum (NGVD), and evaluate the site-wide groundwater flow pattern in the shallow aquifer system. Interpretation of the calculated groundwater elevations yielded site-wide shallow groundwater contours and associated approximate flow pattern that are shown on Figure 3. The contours were prepared by utilizing the surveyed groundwater elevations from the PRMP wells, existing Site wells, and river and Eastern Drainage Channel surface water elevations (Table 1).

As a result of significant rainfall and snow melt in the region, groundwater levels measured at the site were between .3 and 3.9 feet higher than those measured in 4Q10. The depth to groundwater readings measured in the western portion of the site; in the MW19/HS-1 area were 3.1 feet to 3.9 feet higher than those measured in 4Q10. This increase in groundwater levels resulted in saturation of portions of the shallow aquifer which are normally dry during other parts of the year. Groundwater elevations in the central and eastern portion of the site were also higher than those measured in 4Q10; however, the range of increases is less than those in the western portion, due to the proximity to surface water bodies (the Rockaway River, the eastern drainage channel, and the eastern wetland area). The difference in elevations in the eastern portion of the site ranged from 0.3 feet within the eastern wetland area to 3.3 feet in the central portion of the site. The three graphs below present groundwater levels over time from the different portions of the site.



3.1 MW-30 AOC

Shallow groundwater flow is similar to flow present at the site prior to the source reduction conducted in 2002 in that shallow groundwater at the Site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam. This "losing" reach of river is identified by approximate flow direction arrows on Figure 3. Further east towards the wetland shallow groundwater again becomes influent to the river. The groundwater contour map also shows that the effect of the buried slurry monolith on groundwater flow is limited in extent, mainly within and along the edges of the Source Reduction area. The presence of the monolith does not change the overall easterly flow direction in the MW30 area.

Surface water elevation data for the man-made Eastern Drainage Channel is consistent with its current configuration as a U-shaped pond formed as a result of downstream beaver dams (Figures 2 and 3). As shown by the flow arrows on Figure 3, the bulk of the shallow groundwater on-site becomes influent to the Eastern Drainage Channel surface water; this flowpath is supported by the occasional low detections of Site COCs in some of the Eastern Drainage Channel surface water samples (see Section 5).

Further into the wetland area to the east, in the vicinity of monitoring location MW-21, groundwater is typically mounded slightly and flows north into the ditch system, south to the river, and west back towards the Source Reduction area. This condition has remained relatively

consistent over the period of remedial investigations conducted on-site. A lack of detectable constituents within monitoring wells MW-21 and MW-25R support the flow path from the eastern wetland towards the western wetland. These data, along with the fact that the construction of the regional sewer line did not encounter contamination until its construction had progressed from east to west to the westernmost end shown on Figure 3, show that contaminant migration is not likely to occur further east.

3.2 MW19/HS-1 AOC

As historically observed, shallow groundwater in the MW19/HS-1 area is generally toward the northeast (Figures 3 and 4). Groundwater on both the north and south sides of Ross Street is locally influenced by the utility corridor located in the center of Ross Street where the large regional storm sewer line is located.

Section 4 MW-19/Hot Spot 1 Area

A comprehensive investigative and remedial history of the MW19/HS-1 AOC is presented in the 4th Quarter 2007 Remedial Action Progress Report (RAPR). As outlined in the 4Q07 RAPR, the MW19/HS-1 AOC has been under investigation since the early 1980s. Activities began with subsurface investigation and subsequent removal of two underground storage tanks (USTs) that provided bulk liquid waste storage for former operations in Building 9. Long-term monitoring and investigation of groundwater quality within the area, and a soil gas investigation performed in 2006 showed that naturally occurring biodegradation is occurring, resulting in a stable dissolved phase "plume" that is shrinking over time, and does not pose a risk to the residences on the north side of Ross Street.

In the June 20, 2007, Notice of Deficiency (NOD) pertaining to review of the May 2006 Soil Gas Investigation Report, NJDEP stated that the extended time frame for degradation of dissolved phase groundwater contamination post source removal [USTs and surrounding soils] suggested that residual source material remained and must be addressed. To support preparation of a Remedial Action Selection Report (RASR), RMT performed an investigation of potential residual source material in August 2007. Results of this investigation and a proposed remedial approach were presented in the RASR submitted to NJDEP and USEPA in September 2007.

LEC, USEPA, and RMT developed a Statement of Work (SOW) for concurrent implementation of the MW19/HS-1 area investigation and remediation, focusing the remedial alternative for this area on soil excavation. This approach was detailed in the September 3, 2009 Addendum to the USEPA approved RAWP. The Addendum to the RAWP was approved by USEPA on December 30, 2009. Implementation of the MW19/HS-1 area investigation and remediation began on January 11, 2010 and was substantially complete by April 23, 2010. Documentation of the remedial action was included in the RAR Addendum. The outline of the excavation area associated with that remediation is shown on Figure 2.

4.1 MW19/HS-1 Post-Remedial Performance Monitoring

A post-remedial groundwater monitoring well network was proposed to USEPA for approval in the RAR Addendum. USEPA approval of the proposed network was received in their September 28, 2010 email requesting current MW19/HS-1 groundwater analytical data. Four replacement monitoring wells and five new groundwater monitoring wells were installed in November 2010, in accordance with the RAR Addendum.

The groundwater elevations and analytical data from these new wells, combined with the data from the two remaining wells, were utilized to create the MW19/HS-1 shallow groundwater contours and evaluate flow direction and post remedial groundwater quality (Figures 4 and 5).

4.2 Groundwater Quality Impacts

4.2.1 Site Contaminants of Concern (COCs)

RMT sampled groundwater from the newly installed and existing groundwater monitoring wells from March 15-16, 2011. Results of laboratory testing are summarized on Table 2, and Figure 5 shows isoconcentration contours for total BTEX. Corresponding analytical laboratory reports are presented in Appendix B.

As shown on Figures 4 and 5, the current well network is adequate to sufficiently define the current extent of residual groundwater contamination that remains following the aggressive soil removal operation completed in early 2010. The lateral extent of BTEX detected in groundwater is comparable to the extent reflected in the 4Q10 monitoring report, except that the footprint has shifted slightly downgradient, likely a result of high water levels encountered during the 1Q11 event. This shift is evidenced by an increase in the total BTEX concentrations in MW-19-7R from non-detectable concentrations during the 4Q10 event to detections of 0.011 ppm benzene, 1.4 ppm ethylbenzene, 33 ppm toluene, and 6.2 ppm total xylenes during the 1Q11 monitoring event. Conversely, concentrations of the BTEX compounds decreased in monitoring well MW19-14 from detections of 0.0007 ppm benzene, 0.11 ppm ethylbenzene, 1.8 ppm toluene, and 0.51 ppm total xylenes in Q410 to non-detect for all compounds except ethylbenzene, which had a detection of 0.001 ppm. Similarly, concentrations of the BTEX compounds decreased in monitoring well MW-19R from detections of 0.4 ppm ethylbenzene, 1 ppm toluene, and 1.2 ppm total xylenes in 4Q10 to non-detect for all compounds in 1Q11. These changes in BTEX distribution can be attributed to the high groundwater elevations and flood conditions observed at the site during the 1Q11 monitoring. For example, the water level within MW-19R (Table 1) at an elevation of 630.22 feet above mean sea level (amsl) during the 1Q11 event, which is approximately 3.7 feet higher than the elevation of 626.51 feet amsl measured during the 4Q10 monitoring event. Specifically, migration of larger volumes of fresh non-contaminated groundwater from the shallowest portion of the higher water table aquifer predominates in the well at the upgradient portion of the plume (i.e., MW-19R) whereas contamination present at the plume core (MW1-19-5R) becomes more prevalent in downgradient well MW-19-7R due to the increased flux of fresher non-contaminated shallow groundwater combined with upward gradients present in this area. Concentration in monitoring well MW19-12

located further downgradient remain at non-detect, which shows that significant downgradient expansion of the groundwater contaminant plume is not occurring.

As discussed in prior quarterly groundwater monitoring reports, the lack of downward migration of COCs is evidenced by historical groundwater elevation data that shows consistent upward vertical hydraulic gradients in the MW19/HS-1 area and in all other former and existing deep/shallow well clusters across the Site. Site-wide upward hydraulic gradients would be expected because of the regional hydrogeologic features; specifically the upward gradient is a function of the regional groundwater discharge to the Rockaway River system. The Washington Forge Pond (at an elevation of approximately 640 feet) and the Rockaway River act as constant head boundaries, and together comprise a regional aquifer discharge area.

4.2.2 MNA Parameters and Data Analysis

Natural attenuation of petroleum hydrocarbons via biodegradation has been documented to be a universal phenomenon that occurs at 100% of sites with BTEX hydrocarbon contamination, and is found to be protective at more than 80% of those sites (Wiedemeier, 1997). As discussed in prior quarterly groundwater monitoring reports, natural attenuation of BTEX components related to the residual soil contamination in the MW19/HS-1 AOC had been observed.

A new groundwater monitoring well network and monitoring program was proposed in the RAR Addendum. USEPA approval of the network was received in their September 28, 2010 email requesting current MW19/HS-1 groundwater analytical data. The new groundwater monitoring wells were installed in November 2010, in accordance with the RAR Addendum. Concentrations of detected MNA parameters are summarized on Tables 3 and 4. These parameters continue to show that biodegradation remains strong, both along the outer fringes of the plume and within the current area of residual groundwater contamination. However, due to the very high water levels and resulting changes in groundwater quality at various locations, some of the MNA indicators are not as strong as those measured during the 4Q10 event. Regardless, the heterotrophic plate counts (HPC) of bacteria in wells present within the zone of highest groundwater contamination remain high compared to levels last measured in preexcavation wells. Specifically, HPC remained relatively high within the upgradient portion of the plume (MW-19R from a pre-excavation level of 25 to a 1Q11 level of 290 cfu/ml), to the center of the plume (MW-19-5R from a pre-excavation level of 25 to a 1Q11 level of 1,100 cfu/ml). The overall high current level of HPC indicates that microbial populations continue to thrive with the removal of residual source soils (the

presence of source material typically inhibits the growth of microbial communities; prior to source removal here, HTP was relatively low within the interior portion of the plume).

In addition, electron donor zones that develop in the subsurface as a function of naturally occurring biodegradation remain clearly developed in 1Q11 than they were before the source removal was conducted. The first zone developed during degradation of hydrocarbon plumes is the methanogenic zone. Current data at the site shows that methanogenesis is strongest in the current plume core (5,000 ug/L methane at MW-19-5R and 3,300 ug/L methane at MW-19-7R) and has been reduced somewhat at the plume fringes because of the reduction in parent source material (methane reduced from 280 ug/L to not detected in MW-19R). Current data also indicates an increase in methanogenesis at MW-19-7R (methane increased from 35 ug/L to 3,300 ug/L). Further downgradient at MW-19-12, methane production remains non-detectable. Progressive zones further out from the plume core continue to be shown more clearly then before source removal. For example, reduction of ferric iron as a result of biodegradation processes has resulted in stronger concentrations of ferrous iron in the current plume core. Specifically, ferrous iron that was at a pre-excavation level of 1 ppm is now in 1Q11 at a level of 15 ppm in MW-19-5R; similarly ferrous iron changed from a preexcavation level of 5 ppm to a 1Q11 level of 16 ppm ferrous iron at MW-19-7R. Ferrous iron remains at background levels further downgradient in MW-19-12. Similar increases also occurred with respect to the sulfate reducing zone.

Because of the strong MNA documented above and in previous reports, RMT anticipates that remaining contaminants dissolved in groundwater will continue to attenuate, and at a faster rate than previously documented.

4.2.3 1,3-Butadiene Sampling Results

1,3-butadiene groundwater data was collected during the 1Q11 sampling event as a follow-up to the soil gas investigation data documented in the 4Q10 report. There were no detections for 1,3-butadiene observed in groundwater during the 1Q11 sampling event, which is further evidence that an alternate source of 1,3-butadiene to soil gas exists. As previously noted in the 4Q10 report, there is a utility corridor, containing water and gas lines located along the northern boundary of Ross Street, as well as the municipal regional sanitary sewer line that runs along the center of Ross Street. These utility lines are bedded in relatively coarse-grained sandy fill material. This utility corridor has multiple potential implications related to soil intrusion evaluation. Most importantly, sewer gas is a complex mixture of toxic and non-toxic gases that can be

present at varying levels depending upon the source. Industrial solvents and gasoline components are frequently present in municipal and privately owned sewage systems. In addition, the utility corridors, because of the coarse nature of their bedding material, likely serve as preferential conduits for soil gas both into and away from the MW19/HS-1 area.

4.3 Performance Monitoring Summary

The MW19/HS-1 groundwater observations are summarized as follows:

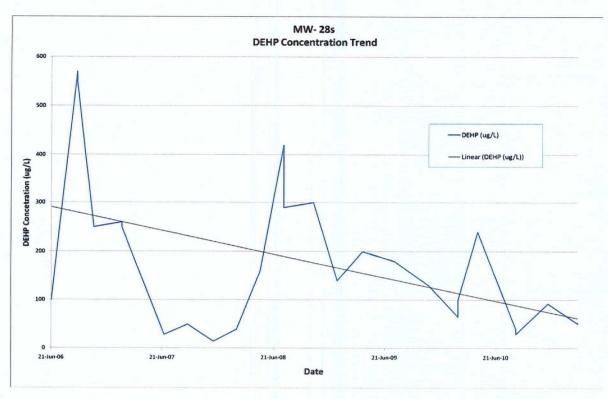
- Groundwater flow at the site is east-northeast and does not flow from the site to the homes along the north side of Ross Street.
- Groundwater levels within the MW19/HS-1 area are between 3.1 and 3.9 feet higher than in 4Q2010, which resulted in saturated conditions within portions of the shallow aquifer which are normally dry.
- The footprint of residual groundwater contamination remains essentially the same as that identified during the 4Q10 event.
- Absence of 1,3-butadiene in groundwater indicates that an alternate source of butadiene in soil gas is present.
- The recent aggressive source removal action has strengthened the previously documented natural attenuation in the area.

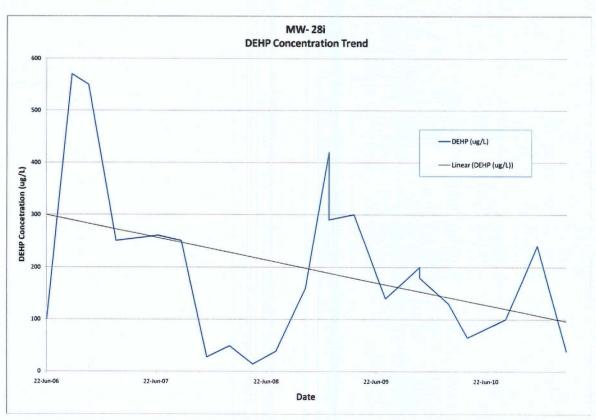
Section 5 MW-30 Area

The 2005 Source Reduction was implemented in the MW-30 area to remove as much of the free-product mass as possible. It was anticipated that some dissolved-phase contamination would remain in groundwater following the source reduction, and that residual groundwater contamination would to be addressed as part of a formal ROD amendment. The 2005 Source Reduction was a success in that no free product has been measured within the Source Reduction area since completion of that work and implementation of the PRMP. Residual contamination is being monitored and addressed as described below.

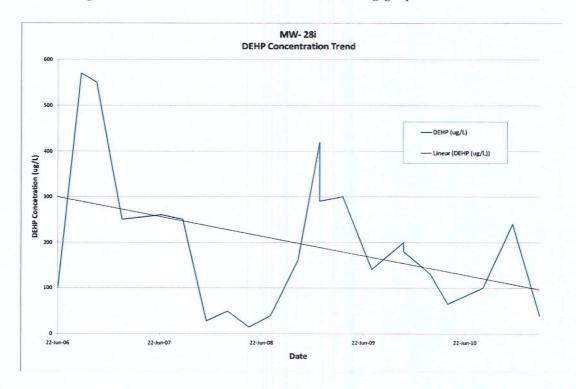
The analytical results from all monitoring events are summarized in Tables 2 through 5. The shallow wells that lie within the central (MW-28 cluster) and downgradient (MW-30 cluster) portions of the Source Reduction area both have screens that were placed below the slurry monolith. At both locations, intermediate monitoring wells MW-28i and MW-30i were installed and screened approximately 5 feet below the bottom of the shallow well screen; 15 to 20 ft bgs and 10 to 15 ft bgs, respectively.

In 1Q11 low levels of dissolved groundwater contamination continue to be found in the Source Reduction area interior monitoring wells MW-28s and MW-28i (Table 2). Benzene and toluene have not been detected in the MW-28 well cluster since 4Q06; however in 4Q10 benzene was present slightly above the detection limit but below the practical quantification limit (PQL) in both wells. Ethylbenzene and xylenes have only been detected once in MW-28i since 4Q06. Samples collected from MW-28s contained levels of dissolved ethylbenzene and xylenes; however, the concentrations are decreasing over time and no BTEX constituents are present at levels that exceed current Class II-A New Jersey Groundwater Quality Standards (NJGWQS). Dissolved DEHP concentrations continue to fluctuate at both MW-28s and MW-28i; however, the overall trend of DEHP concentration is downward as shown in the following graphs:





Dissolved site COCs also continue to be present in groundwater samples collected from Source Reduction area downgradient well MW-30s. However, only DEHP remains above NJGWQS; all BTEX concentrations have been either non-detect or below NJGWQS since 1Q08. The concentration of DEHP in well MW-30s, while fluctuating somewhat from quarter to quarter, has a strong trend downward as shown in the following graph:



Since 1Q07, no Site COCs have been detected in wells MW-30i and MW-30d, with the exception of several small detections of DEHP in MW-30i, just slightly above the detection limit, and a small detection of ethylbenzene and total xylenes in 2Q10. This indicates that the vertical extent of Site constituents of concern in the vicinity of the MW-30 cluster is limited to only the top five feet or less of the shallow water table within the first five feet of aquifer immediately below the slurry monolith.

As part of the 1Q11 sampling event, RMT also sampled the five (5) Wetland area wells (MW-31s, MW-32s, MW-33s, MW-34s, and MW-35s) for groundwater quality. The location of these wells, with respect to the Source Reduction and Wetland areas, are shown on Figures 2 and 3; all of these wells are located outside of and downgradient from the Source Reduction excavation area.

During 1Q11, groundwater samples collected from Wetland area wells MW-31s, MW-32s, and MW-35s had concentrations of benzene, ethylbenzene and total xylenes above the higher of the

NJGWQS and PQL (Table 2; Figure 6). Groundwater samples collected from MW-31s, MW-32s, MW-33s, MW-34s, and MW-35s also contained concentrations of DEHP above the greater of the NJGWQS and PQL (Table 2 and Figure 7). No free product was measured in any of these Wetland wells during the 1Q11 monitoring event. The concentration trends of dissolved benzene, ethylbenzene, and xylenes will continue to be carefully monitored.

Concentrations of detected MNA parameters collected from this area of the site are summarized on Tables 3 and 4. These parameters continue to show that biodegradation remains strong downgradient of the 2005 Source Remediation Area. Monitoring results for HPC show high readings from monitoring wells 31s, 32s, and 33s (950 to 36,000 cfu/ml).

Furthermore, additional investigations to determine nature and extent is proposed for this area as described in the September 3, 2009 Addendum to the USEPA approved RAWP. The Addendum focuses on characterization and gathering data that will be used to develop a means to prevent further discharge of groundwater contamination into the Eastern Drainage Channel and Rockaway River.

Section 6 Surface Water

The Rockaway River adjacent and downstream from the LEC site is classified as a Category 1 fresh water trout maintenance stream (FW2-TM(C1); ref. Surface Water Quality Standard Reference: N.J.A.C 7:9B-1.15 (e), Table 3 January 2010; (Dover) - Washington Pond outlet downstream to Rt. 46 bridge). In N.J.A.C. 7:9B-1.4, "Category one waters" means those waters designated in the tables in N.J.A.C. 7:9B-1.15(c) through (g), for purposes of implementing the antidegradation policies set forth at N.J.A.C. 7:9B-1.5(d), for protection from measurable changes in water quality based on exceptional ecological significance, exceptional recreational significance, exceptional water supply significance, or exceptional fisheries resource(s) to protect their aesthetic value (color, clarity, scenic setting) and ecological integrity (habitat, water quality, and biological functions). As such, RMT compared Site COC concentrations detected in the Eastern Drainage Channel and Rockaway River samples against background concentrations found in upgradient sample SW-R-6, collected below the Washington Forge Pond dam, at the upgradient end of the Site.

6.1 Eastern Drainage Channel

As part of the 1Q11 event, RMT sampled five (5) points (SW-D-1, SW-D-2, SW-D-3, SW-D-4, and SW-D-5) within the Eastern Drainage Channel that separates the adjacent Air Products property from the LEC site and the adjacent Wharton Enterprises property for surface water quality. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005.

All surface water sample locations are shown on Figure 2. The laboratory analytical results for these Eastern Drainage Channel samples are summarized on Table 5, and Figures 6 and 7.

BTEX constituents were detected above the NJSWQC at SW-D-4. BTEX constituents were not detected at any other surface water monitoring locations in the Eastern Drainage Channel. DEHP was detected above the NJSWQC in samples collected from one (1) of the Eastern Drainage Channel surface water sampling locations (SW-D-2). Migration of Site COCs into the Eastern Drainage Channel environment will be addressed during the upcoming on-site investigations that are included in the USEPA approved September 2009 Addendum to the approved 2004 Remedial Action Workplan.

6.2 Rockaway River

In addition to the Eastern Drainage Channel, RMT also collected five (5) surface water samples from the Rockaway River (Table 5 and Figures 6 and 7).

Rockaway River samples collected at surface water sampling locations SW-R-1, SW-R-2, SW-R-3, and SW-R-4 were non-detect for Site COCs.

River sample SW-R-6 was taken just downstream of the Washington Forge Pond dam. As a result of USEPA comments in an email dated December 21, 2009, this location now serves as the background monitoring location for the Site. Surface water samples SW-R-1 through SW-R-4, are compared to the results of SW-R-6, per N.J.A.C. 7:9B-1.5 (d) 6iii. Site COCs were not detected in the surface water sample SW-R-6.

Another surface water sample was collected in the Eastern Drainage Channel near its intersection with the Rockaway River (approximately 10 feet upstream in the Eastern Drainage Channel; see Figure 2). This location represents the surface water discharge point from the Eastern Drainage Channel/beaver pond into the Rockaway River. Similar to the other river samples collected, Site COCs were not detected in the "Ditch-River Confluence" sample DRC-2.

Surface water sampling at the Eastern Drainage Channel as well as the Rockaway River and Washington Forge Pond will continue to take place during each quarterly monitoring event. Specifics regarding surface water sampling locations, frequency and analytes are presented in the PRMP and associated QAPP.

Section 7 Additional and Future Project Activities

LEC, USEPA and RMT designed a SOW to accompany the UAO. Both the UAO and associated SOW were executed in August 2009. The following sections briefly outline continuing UAO and SOW required activities anticipated for completion over the next three to six months. An updated Master Project Schedule is presented in Appendix C.

7.1 General and Administrative Site Scope and Tasks

- Following receipt of USEPA approval of the complete RAWP Addendum #2 and initiation of additional assessment in the MW-30 area
 - Finalize the Community Involvement Plan (CIP)
 - Finalize the Revised Remedial Action Work Plan (RAWP) Addendum and associated Uniform Federal Policy (UFP) compliant QAPP

7.2 Individual Areas of Concern (AOCs) Scopes and Tasks

7.2.1 MW-30 Area of Concern

- Approval and receipt of the Flood Hazard Area Permit from the NJDEP DLUR was received on August 19, 2010.
- Remedial investigation and pilot testing activities outlined in the USEPA approved RAWP Addendum are anticipated to begin in 3Q2011, following USEPA approval of the complete RAWP Addendum #2.
- Continue quarterly groundwater and surface water quality monitoring activities

7.2.2 MW19/Hot Spot 1 Area of Concern

 Continue quarterly groundwater quality and MNA performance monitoring activities.

7.3 Wetland Monitoring, Invasive Species Control, and Reporting

The 2009 Compensatory Mitigation Monitoring Report was submitted on December 28, 2009. 2009 is considered the fifth and final growing season where semiannual monitoring and reporting is required by the 2005 GP-4 wetlands permit. However, as outlined in the report, annual monitoring and invasive species control events will continue on a semi-annual basis as

required by permit conditions until agency sign-off is obtained. Additional wetland restoration, monitoring and reporting issues were addressed in the Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004), submitted September 3, 2009. USEPA provided comments on the Addendum to the RAWP in an email dated December 21, 2009. Responses to the MW-30 area specific comments were submitted to the USEPA on February 1, 2010 and approved by USEPA in their email dated February 22, 2010.

Wetland monitoring in 2011 will occur the week of May 23rd and during September 2011 with the subsequent annual report submitted during December 2011.

Tables

TABLE 1 Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Elevations

				PROFESSIONAL SU	RVEY INFORMAT	10N ⁽²⁾					QUARTERLY	MEASUREMENT	INFORMATION		
WELL LOCATION	MONITORING DEVICE TYPE	BASELINELO	CATION (FT)	GEODETIC I	OCATION	Е	LEVATION (FT. M	SL)			40				
		NJ State Plan	e Coordinates	ocour.	venile.			INNER WELL	MEAS.	PRODUCT	WATER	PRODUCT	WATER	PRODUCT THICKNESS	CORRECTED WATER
		(Y) North	(X) East	LATTFUDE	LONGITUDE	GROUND (6)	OUTER CASING	CASING	DATE	DEPTH	DEPTH	ELEVATION	ELEVATION	(FT)	ELEVATION
GEI-3I	Piezometer	754311.79	470453.7	40° 54' 14.8*	74 ⁰ 34' 43.7"	636.96	639.39	639.25	14-Mar-11		8.98	-	630.27		
MW-8	Monitoring Well	754099.29	471251.06	40° 54' 12.7°	74 ⁰ 34' 33.3"	627.39	629.96	628.19	14-Mar-11		1.55	-	626.64		
MW-9	Monitoring Well	754075.94	471111.03	40° 54' 12.5"	74 ⁰ 34'35.1"	628.61	631.09	629.58	14-Mar-11		1.90	-	627.68		ļ
MW-12S(R)	Monitoring Well	754055.97	471042.34	40° 54' 12.3"	74 ⁰ 34' 35.9"	631.57	634.26	633.73	14-Mar-11		6.02	-	627.71		
MW-135	Monitoring Well	754353.97	471370.04	40 ⁰ 54' 15.3"	74 ⁰ 34'31.7"	627.74	630.80	630.63	14-Mar-11		3.57	-	627.06		
MW-13S(R)	Monitoring Well	754333.07	471365.71	400 54' 15.0"	74°34' 31.8"	627.66	630.36	629.99	14-Mar-11		2.54		627.45		
MW-13I	Monitoring Well	754337.8	471360.31	400 54' 15.1"	74°34'31.9*	627.76	630.28	630.06	14-Mar-11		2.35	-	627.71		
MW-155	Monitoring Well	754326.58	470891.83	40 ⁰ 54' 15.0"	74 ⁰ 34'38.0"	634.23	636.43	636.17	14-Mar-11		7.51	-	628.66		\vdash
MW-15I	Monitoring Well Monitoring Well	754325.8 754109.68	470901.47 470759.85	40 ⁰ 54' 15.0"	74°34'37.9"	634.14	636.28 634.32	636.06 634.19	14-Mar-11		7.41 5.05		628.65 629.14		
MW-17(S) MW-18S	Monitoring Well Monitoring Well	754677.95	470/59.85 471117.26	40° 54' 12.8" 40° 54' 18.4"	74° 34' 39.7" 74° 34' 35.0"	627.62	630.88	630.66	14-Mar-11	L	L	doned Noven			4
MW-18I	Monitoring Well	754675.11	471117.28	40° 54' 18.4"	74°34°35.0°	627.75	630.59	630.44				doned Novem			
MW-19R	Monitoring Well			40°54'18.4"	74 34 35.2 74°34' 42.2°		635.31		14-Mar-11		4.73		630.22		
MW-19-5R	Monitoring Well	754533,15	470461.18	40°54'17.4"	74°34'42.2"	635.19	635.54	634.95	14-Mar-11		5.46		629.74		-
MW-19-6R	Monitoring Well	754565.77	470474.05	40°54°17.7° 40°54°17.8°	74 34 42.0" 74°34' 42.4"	635.51	635.85	635.20	14-Mar-11		5.70		629.76		
MW-19-7R	Monitoring Well	754574.70	470439.39	40 54 17.8" 40 ⁰ 54' 17.9"	74 34 42.4 74°34 41.7"	635.87 635.30	635.36	635.48 634.97	14-Mar-11		5.43		629.54		
MW-19-8	Monitoring Well	754591.32 754617.50	470496.38 470493.62	40 54 17.9" 40 ⁰ 54' 18.2"	74 34 41.7"	635.30	635.52	634.97	14-Mar-11	<u> </u>	5.50		629.52		
MW-19-9D	Monitoring Well	754617,50 754590	470493.62	40° 54' 17.9"	74°34'42.4"	636.39	636.41	636.10	14.1.0	I	Abar	doned Nover			
MW-19-12	Monitoring Well	754627.53	470529.72	40 ⁰ 54' 18.3"	74°34'41.3"	634.93	634.93	634.46	14-Mar-11	I	4.98		629.48		
MW-19-13	Monitoring Well	754579.37	470529.59	40 ⁰ 54' 17.8"	74°34'41.3"	634.87	634.81	634.33	14-Mar-11		4.57	_	629.76		
MW-19-14	Monitoring Well	754579.37	470484.56	40°54'17.4"	74°34'41.9"	635.07	635,14	634.82	14-Mar-11		4.59	_	630.23		
MW-19-15	Monitoring Well	754486.40	470446.05	40°54'16.9"	74°34' 42.4"	635.56	635.57	635,26	14-Mar-11		4.94		630.32		
MW-19-16	Monitoring Well	754505.02	470534.21	40 ⁰ 54' 17.1"	74°34' 41.2"	634.66	634.67	634.35	14-Mar-11	 	4.09	_	630.26		
MW-19-17	Monitoring Well	754602.50	470442.02	40 ⁰ 54' 18.1"	74 ⁰ 34' 42.4"	636.26	636,25	635.85	14-Mar-11		6.20		629.65		
MW-21 (3)	Monitoring Well	754240.97	471645.78	40° 54' 14.1"	74 ⁰ 34' 28.2"	624.57	628.49	628.20	14-Mar-11		1.15	-	627.05		
MW-25(R) (3)	Monitoring Well	754201.83	471518.21	40 ⁰ 54' 13.7"	74 ⁰ 34' 29.8"	624.65	626.77	626.62	14-Mar-11		2.31	-	624.31		
MW-27s	Monitoring Well	754253.78	470672.69	40 ⁰ 54' 14.613"	74 ⁰ 34' 39.402'	635.82	635.78	635.07	14-Mar-11		5.84	-	629.23		
MW-285	Monitoring Well	754243.26	471034.34	40 ⁰ 54' 14.512"	74 ⁰ 34' 34.692'	628.20	631.28	631.14	14-Mar-11		3.07	-	628.07		1
MW-28I	Monitoring Well	754242.87	471031.19	40 ⁰ 54' 14.508"	74° 34' 34.733'	628.25	631.20	631.04	14-Mar-11		2.96	-	628.08		
MW-29S	Monitoring Well	754411.14	471187.85	40° 54' 16.172"	74 ⁰ 34' 32.694'	629.94	632.83	632.66	14-Mar-11		5.20	_	627.46		
MW-30S	Monitoring Well	754281.65	471265.12	40° 54' 14.893"	74° 34' 31.686'	624.99	628.24	628.24	14-Mar-11		0.98	-	627.26		
MW-30I	Monitoring Well	754286.42	471263.15	40° 54' 14.941"	74 ⁰ 34' 31.712'	625.14	628.15	628.01	14-Mar-11		0.70	_	627.31		
MW-30D	Monitoring Weli	754290.05	471261.2	40 ⁰ 54' 14.976"	74 ⁰ 34' 31.737'	625.20	628.22	628.02	14-Mar-11		0.58	-	627.44		
MW-315	Monitoring Well	754241.65	471341.5	40 ⁰ 54' 14.499"	74 ⁰ 34' 30.691'	627.94	630.00	629.82	14-Mar-11	ĺ .	4.65	-	625.17		
MW-32S	Monitoring Well	754207.08	471359.83	40 ⁰ 54' 14.157"	74 ⁰ 34' 30.452'	628.15	630.33	630.18	14-Mar-11		4.86	-	625.32		
MW-335	Monitoring Well	754170.51	471311.04	40 ⁰ 54' 13.796"	74 ⁰ 34' 31.087'	628.85	631.06	630.91	14-Mar-11		5.11	-	625.80		
MW-345	Monitoring Well	754178.83	471399.49	40° 54' 13.879"	74 ⁰ 34' 29.935'	628.07	629.97	629.93	14-Mar-11		4.79	_	625.14		
MW-35S	Monitoring Well	754179.62	471445.17	40° 54' 13.887"	74 ⁰ 34' 29.340	627.43	629.59	629.19	14-Mar-11	1	3.95	 	625.24		†
SG-R2 ⁽³⁾	Rockaway River Monitoring Point	754056.10	470946.46	40° 54' 12.662"	74° 34' 35.834	629.41		· .	14-Mar-11	İ	1.10	-	628.31		
SW-R-1 (4)	Rockaway River Monitoring Point	754125.56	471523.00	40° 54' 13.353"	74° 34' 28.326'	625.87	 		14-Mar-11		1.56	<u> </u>	624.31		
					 		ļ <u>.</u>	-		 					
SW-R-2 (4)	Rockaway River Monitoring Point	754112.82	471426.51	40° 54′ 13.226*	740 34' 29.582	626.54	-	<u> </u>	14-Mar-11	ļ	1.49	-	625.05		-
SW-R-3 (4)	Rockaway River Monitoring Point	754149.30	471368.76	40 ⁰ 54' 13.586"	74 ⁰ 34' 30.335	626.25	<u> </u>	-	14-Mar-11	ļ	0,90		625.35		
SW-R-4 (4)	Rockaway River Monitoring Point	754088.00	471279.58	40 ⁰ 54' 12.980"	74 ⁰ 34' 31.496	627.57		-	14-Mar-11	<u> </u>	1.96	-	625.61		
SW-R-5 (4)	Rockaway River Monitoring Point	754314.04	470408.85	40 ⁰ 54' 15.206"	74 ⁰ 34' 42.839	640.66	-	-	14-Mar-11		0.95	-	639.71		
SW-R-6 (4)	Rockaway River Monitoring Point	754071.52	470697.75	40 ⁰ 54' 12.812"	74 ⁰ 34' 39.073	631.68	-		14-Mar-11		-	-	-		
SW-D-1 ⁽⁵⁾	Drainage Channel Staff Gauge	754428.36	471240.17	40 ⁰ 54' 16.343"	74 ⁰ 34' 32.013	625.75	-	-	14-Mar-11		-	-	-		
SW-D-2 ⁽⁵⁾	Drainage Channel Staff Gauge	754285.35	471361.22	40° 54' 14.931*	74° 34′ 30.435	626.07	-	-	14-Mar-11		2.21	-	623.86		
SW-D-3 ⁶⁾	Drainage Channel Staff Gauge	754381.23	471548.18	40° 54° 15.880°	74 ⁰ 34' 28.001	625.70	-	-	14-Mar-11		1.75	-	623.95		
SW-D-4	Drainage Channel Monitoring Point	754295.56	471291.74	40° 54' 15.047"	74° 34' 31.355	625.02	 - 	l .	14-Mar-11	 	1.19	_	623.83		
SW-D-5	Drainage Channel Monitoring Point	754222.49	471912.85	40° 54' 14.321"	74° 34' 23.155		 		14-Mar-11	 	1.10		622.77	 	
DRC-2	Drainage Channel Monitoring Point	754117.49	471971.58	40° 54° 14.321° 40° 54° 13.277°		623.29	 		14-Mar-11	 	N/A			ļ	-
DRC-2	Dialnage Channel Monitoring Point	/5411/.49	4/19/1.00	40 54 13.277	74 34° ZZ.483	025.29	1 -	<u> </u>	I 14-Mat-11	L	N/A			1	1

FOOTNOTES
(1) Reference elevation measured at the top of a 3.33 ft. Staff gauge. Water depth based on a visual observation of the water level on the Staff gauge.
(2) Horizontal Datum: New Jersey State Plane Coordinate System NAD 83. Vertical Datum: NAVD 88.
(3) New S-GR specied the side SG-R2 Installed in New 1998. Professional survey performed by James M. Stewart, Inc., Philadelphia, PA May 2004. SC-R2 is a chiseled arrow on Iron Beam (4) as outlined in the Part of the Staff gauge.
(3) SW-D-3 RMP: Described the side (6) new Rocksaws River monitoring points reference survey elevation was shot at the top of a stake installed in one hopint (5) SW-D-3 RMD-2 and SW-D-3 were resurveyed points at the top of the stake that secure each distingage (in staff gauge.

These points were reshot to insure the reference elevation feed, and SW-D-2 surges and amountainty points is a point specific to each device (de., top of stake, top of gauge, notched point on concrete or iron etc.)
(7) Corrected water level elevations utilize an average specific gravity of 0.5953 (RMT, Inc. product samplig in October 1999)

TABLE 2 DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE Borough of Wharton, Morris County, New Jersey Groundwater Monitoring Data

MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2- Ethylhexylphthalate (DEHP)	1,3-Butadie
		UNITS SOLUBILITY LIMIT	ug/I 1,700,000	ug/I 152,000	ug/l 515,000	ug/l 175,000	ug/l 334	ug/l
	PRACTICAL QUAN	TITATION LIMIT [PQL]	1	2	1	2	3	
NEW JERSEY GROUNDWATER QU			0.2	700	600	1,000	2	
MW19	HIGHER	F NJGWQS AND PQL	1	700	600	1,000	3	
Dilution factor for BTEX 2000	24-Feb-95	1	< 660	1,700	110,000	10,000	NR	
Dilution factor for BTEX 100 Dilution factor 5000 for BTEX & 2 for DEHP; MDL for	14-Jun-95	2	150	3,400	140,000	17,000	NS	
Benzene 1000 ug/l Dilution factor for BTEX 500	24-Apr-98 2-Aug-01	3	< 1,000 < 95	2,850 3,000	76,700 62,000	14,900 17,000	3	
Dilution factor for BTEX 1000	6-Jun-02	2	< 200	1,000	30,000	6,000	6	
Dilution factor for BTEX 100, Toluene 200	20-Nov-03 15-Jun-04	2	< 20	1,500	40,000 46,000	7,400 6,600	J 6	
Dilution factor for BTEX 100, Toluene 500	10-Aug-04	3	< 20	2,100	56,000	11,000	J 2	
Dilution factor for BTEX 50 Lower Grab Water Sample; Dilution factor for BTEX 5	13-Jan-05 8-Apr-05	1 2	< 10	750 97	18,000 1,300	3,600 530	< 1 J 3	
pper Grab Water Sample; Dilution factor for Toluene 5	8-Apr-05	2	< 0.2	86.0	410.0	430.0	J 3	
Dilution factor for BTEX 200	27-Jul-05	3	< 40	1,100	44,000	6,000	J 2	
Dilution factor for BTEX 100 Dilution factor for BTEX 250	27-Oct-05 28-Feb-06	4	< 20 < 50	200 880	10,000 28,000	1,200 4,900	J 5	
Dilution factor for BTEX 200	20-Jun-06	2	< 40	1,600	53,000	8,700	J 3	
Dilution factor for BTEX 200 Dilution factor for BTEX 200	13-Sep-06 8-Nov-06	3 4	< 40	2,100 2,200	51,000 59,000	11,000 11,000	J 3 J 2	
Dilution factor for BTEX 500	8-Feb-07	1	< 500	1,900	93,000	9,800	< 1	
Dilution factor for BTEX 50, Toluene 200 Dilution factor for BTEX 100, Toluene 500	27-Jun-07 12-Sep-07	3	< 50 < 100	680 1,500	32,000 76,000	3,000 7,300	< 1	
Dilution factor for BTEX 100, Tollulate 500	4-Dec-07	4	< 250	1,500	49,000	7,500	< 1	
Dilution factor for BEX 100, Toluene 200, DEHP 1 05	20-Feb-08 7-May-08	1 2	< 1.0	< 1.0 650	< 5.0 26,000	< 3.0 2,800	< 1	
Dilution factor for BEX 100, Toluene 200, DEHP 1 05 Dilution factor for Benzene 10, Ethylbenzene & Xylenes 200, Toluene 500	7/23/2008	3	< 10	1,000	35,000	5,400	< 1	
Dilution factor for BTEX 200	10/29/2008	4	< 40	1,400	43,000	6,800	J 3	
Dilution factor for Benzene 50, Ethylbenzene & Xylenes 50, Toluene 500	1/14/2009	1	< 45	700	34,000	3,500	J 2	
Dilution factor for BEX 50, Toluene 500	4/8/2009	2 ⁽⁵⁾	< 45	940	37,000	4,800	J 3	
Dilution factor for BEX 50, Toluene 500	7/22/2009	MW-19 aband	< 45 doned Ocober 14	1,100	48,000	5,700	J 1	
MW19R								
MVV19R	12/8/2010	4	< 0.5	400	1000	1200	1.2	
	3/14/2011	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1	< 1.0
MW19-5R						10000		
Toluene 1000 500	8-Dec-10 16-Mar-11	1	19	2700 2100	80000 92000	15000 11000	< 0.95	< 1.0
MW19-6R								
	8-Dec-10	4	< 0.5	7.1	100.0	63.0	8.1	- 4.0
	14-Mar-11	1	< 0.5	8.1	33.0	38.0	1.1	< 1.0
MW19-7								
Dilution factor for BTEX 50 Dilution factor for BTEX 2	15-Nov-99 1-Aug-01	3	< 16 6.7	100	51 13	1,400 680	< 4	
Dilution factor for BTEX 5	7-Mar-02	1	3	< 1	< 1	250	2	
	5-Jun-02 19-Nov-03	2	0.48 4.7	1.60 J 0.4	27 J 0.3	27 460	< 0.4 J 1.0	
	16-Jun-04	2	J 2.8	130.0	2,100	630	< 1.0	
	16-Jun-04	2 ^{duplicate}	J 4	130	2,100	610	< 1	
Dilution factor for BTEX 2	10-Aug-04 12-Jan-05	3	6.1	90.0	240.0	20 760	< 1 < 1.0	
	12-Jan-05	1 duplicate	2.9	45.0	120.0	380	< 1.0	
ower Grab Water Sample; Dilution factor for BTEX 25	7-Apr-05	2	J 9.5	210.0	2,700	1,400	< 1.0	
opper Water Grab Sample; Dilution factor for BTEX 10	7-Apr-05	2	J 13	370	5,600	2,300	< 1	
Lower Grab Water Sample	27-Jul-05 27-Jul-05	3	2.2	< 0.2	J 0.2	J 1.7	< 0.9	
Upper Grab Water Sample Dilution factor for BTEX 200	27-Oct-05	3 4	1.5 J 62	< 0.2 710	J 0.5 16,000	J 2.4 3,600	< 1.0 < 1	
Dilution factor for Total Xylenes 5	28-Feb-06	1 1 duplicate	7.5	4.9	J 0.3	870	< 1.0	
Dilution factor for Total Xylenes 5	28-Feb-06 20-Jun-06	1 dupicate	7.5 6.5	5.0 19.0	J 0.3 J 0.6	840 550	< 0.9 < 1.0	
Dilution factor for Total Xylenes 5	12-Sep-06	3	4.9	33.0	J 0.3	440	< 1.0	
	8-Nov-06 7-Feb-07	1	2.6	< 0.2	< 0.2 < 5.0	26 < 3.0	< 0.9	
	7-Feb-07	1 duplicate	2.6	< 1.0	< 5.0	< 3.0	< 1.0	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	23	< 1.0	
Dilution for DEHP 1.1	11-Sep-07 5-Dec-07	3	< 1.0	< 1.0	< 5.0 < 5.0	< 3.0	< 1.0 < 1.1	
	19-Feb-08	1	< 1.0	7.3	55	36	< 1.0	
Dilution for DEHP 1 05	7-May-08 22-Jul-08	3	< 1.0	< 1.0	< 5.0 < 5.0	5.6	< 1.0 < 1.0	
	28-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	1.0
	28-Oct-08	4 dupicate	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	14-Jan-09 7-Apr-09	1 2	< 0.9	J 3.0 < 0.8	J 3.0 < 0.8	32.0 < 0.9	< 1.0 < 1.0	
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
		MVV-19-7 abar	ndoned Ocober 1	3, 2009				
MW19-7R								
ion factor ethylbenzene 100; toluene 1000, xylene 100	8-Dec-10 14-Mar-11	1	< 0.5 11	< 0.5 1,400	< 0.5 33,000	< 1.5 6,200	< 1.0	< 1.0
	To a second of the			.,,500	23,000	-,200		- 1.0
MW19-8	15 No. 00	,	4.024	4 0 20	4.024	4 0 10	- 41	
Dilution factor for BTEX 50 Dilution factor for BTEX 2	15-Nov-99 1-Aug-01	3	< 0.31	< 0.38	< 0.34	< 0.40	< 4.1	
	5-Jun-02	2	< 0.22	< 0.18	< 0.24	< 0.20	< 0.4	
	19-Nov-03 17-Jun-04	4 2	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9	
	11-Aug-04	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	12-Jan-05	11	< 0.2	J 0.3	< 0.2	< 0.6	< 1.0	
	11-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	

TABLE 2 DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE Borough of Wharton, Morris County, New Jersey Groundwater Monitoring Data

NEW JERSEY GROUNDWATER QU		UNITS		1			(DEHP)	
		SOLUBILITY LIMIT	ug/l 1,700,000	ug/l 152,000	ug/I 515,000	ug/l 175,000	ug/I 334	ug/l
	PRACTICAL QUANT	TITATION LIMIT [PQL]	1	2	1	2	3	
MW19-12		1/2	0.2	700	600	1,000	2	
MW19-12	HIGHER O	F NJGWQS AND PQL	1	700	600	1,000	.3	
1414419-17				-			-	
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	7-Nov-06	4 4 ^{duplicate}	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	7-Nov-06 6-Feb-07	4 dopecate	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9	
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	26-Jun-07	2 ^{duplicate}	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	4-Dec-07 19-Feb-08	1	< 1.0	< 1.0	< 5.0 < 5.0	< 3.0	< 1.0	
Dilution for DEHP 1 11	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	28-Oct-08 13-Jan-09	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0 < 1.0	
	7-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	21-Jul-09 10-Nov-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.96	
	20-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	< 0.98	
	24-Aug-10 7-Dec-10	3 4	< 0.5	< 0.5 < 0.5	< 0.5	< 1.5 < 1.5	< 0.96 < 0.96	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	< 1.0
MM49 42								
MW19-13	7-Dec-10	4	6.3	42	1	400	< 0.95	
Dilution factor toluene 10	14-Mar-11	1	2.6	71	260	330	< 0.95	< 1.0
MW19-14								
	8-Dec-10	4	0.7	110	1,800	510	< 0.98	
	8-Dec-10	4 duplicate	< 0.5	120	2,100	580	< 1.0	
	16-Mar-11 16-Mar-11	1 1 duplicate	< 0.5	< 0.5	1.4	< 1.5	< 0.99	< 1.0
	10-IVIAI-11	-	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
MW19-15								
	7-Dec-10 14-Mar-11	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.99	- 11
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	< 1.0
MW19-16		1 1						
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.96	- 11
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	< 1.0
MW19-17	0.0 40		- 0.5	. 0.5	. 0.5		. 0.05	
	8-Dec-10 14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95 < 0.95	< 1.0
				0.0	0.0		0.00	
MVV-8							-	
	1-Sep-89	3						
	1-Jan-90 23-Jul-08	3	< 1.0	< 1.0	< 5.0	15	< 1.0	
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	J 2	
	14-Jan-09	1 2 ⁽⁵⁾	< 0.9	< 0.8	< 0.8	< 0.9	8	
	8-Apr-09 21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	J 3	
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	J 3	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	3.9	
	20-Apr-10 24-Aug-10	2 3	< 0.5	< 0.5	< 0.5	< 1.5	4.8	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	1.7	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	3.5	
MW-25R								
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	21-Jun-06	2 ^{duplicate}	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	13-Sep-06	3	< 0.2	< 0.2	J 0.5	< 0.6	J 1.0	
	7-Nov-06 8-Feb-07	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	26-Jun-07	2 ^{duplicate}	< 1.0	< 1.0	< 5.0	< 3.0	1.6	
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution factor for DEHP is 1.3	6-Dec-07 19-Feb-08	1	< 1.0	< 1.0 < 1.0	< 5.0 < 5.0	< 3.0	< 1.3 < 1.0	
Dilution for DEHP 1 29	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.3	
	22-Jul-08 29-Oct-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	15-Jan-09	1	< 0.2	< 0.2 < 0.8	J 0.3 < 0.8	< 0.6	< 1.0	
	7-Apr-09	2 ⁽⁵⁾	< 0.9	< 0.8	< 0.8	< 0.9	J 1	
	22-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	11-Nov-09 15-Feb-10	4	< 0.9	< 0.8 < 0.5	< 0.8	< 0.9	J 1 < 1.0	
	20-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	< 0.98	
	25-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	< 0.99	
	9-Dec-10 14-Mar-11	4	< 0.5	< 0.5 < 0.5	< 0.5	< 1.5 < 1.5	< 0.95 < 0.95	
			0.0	0.0	0.0		0.00	
MW-27s								
	22-Jun-06	2	J 0.6	3.7	3.9	14	J 3.0	
	11-Sep-06 7-Nov-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 2.0 J 1.0	
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	26-Jun-07 11-Sep-07	2	< 1.0	< 1.0	< 5.0 < 5.0	< 3.0	< 1.0	
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	1.2	

TABLE 2 DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE Borough of Wharton, Morris County, New Jersey Groundwater Monitoring Data

MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2- Ethylhexylphthalate (DEHP)	1,3-Butadie
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
	ADACTICAL QUANT	SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334	
NEW JERSEY GROUNDWATER Q		(NJGWQS) CLASS IIA	0.2	700	600	1,000	2	
		F NJGWQS AND PQL	1	700	600	1,000	3	
Dilution factor for DEHP is 1.18	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2	
	23-Jul-08 30-Oct-08	3	< 0.2	< 1.0	< 5.0	< 3.0	< 1.0	
	14-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	8-Apr-09 21-Jul-09	2 3	< 0.9	< 0.8	< 0.8	J 1.0 < 0.9	< 1.0	
	10-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	14-Feb-10 20-Apr-10	1 2	< 0.5	< 0.5	< 0.5 < 0.5	< 1.5 < 1.5	< 1.0	
	24-Aug-10 8-Dec-10	3 4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.99	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	< 1.0
MW-28s								
Dilution factor for BTEX 5	21-Jun-06	2	J 1.6	560.0	< 1.0	1,400	100	
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3 3 ^{duplicate}	J 0.2	210.0	< 0.2	450	570	
Dilution factor for Xylene is 5, DEHP is 10 Dilution factor for DEHP 10	13-Sep-06 7-Nov-06	4	J 0.3 < 0.2	220.0 92.0	< 0.2	470 180	550 250	
Dilution factor for DEHP is 20	7-Feb-07	1 dunicate	< 1.0	70.0	< 5.0	150	260	
Dilution factor for DEHP is 20	7-Feb-07 27-Jun-07	1 duplicate	< 1.0	58.0 30.0	< 5.0 < 5.0	130 56	250 28	
Dilution factor for DEHP is 5	12-Sep-07	3	< 1.0	17.0	< 5.0	42	49	
Dilution for DEHP is 1.2 Dilution for DEHP is 20	6-Dec-07 20-Feb-08	1	< 1.0	32.0 14.0	< 5.0 < 5.0	96 36	14 39	
Dilution for DEHP is 11.1	7-May-08	2	< 1.0	2.7	< 5.0	6.6	160	
Dilution for DEHP is 20 Dilution for DEHP is 10	23-Jul-08 23-Jul-08	3 3 ^{duplicate}	< 1.0	37 41	< 5.0 < 5.0	93	420 290	
Dilution factor for DEHP 10	29-Oct-08	4	< 0.2	4.3	< 0.2	15	300	
Dilution factor for DEHP 10 Dilution factor for DEHP 10	15-Jan-09 8-Apr-09	1 2	< 0.9	17 39	< 0.8	100	140 200	
Dilution factor for DEHP 10	22-Jul-09	3	< 0.9	18	< 0.8	53	180	
Dilution factor for DEHP 5	12-Nov-09 16-Feb-10	1	< 0.9	10 8.9	< 0.8	67 27	130 65	
Dilution factor for DEHP 2	16-Feb-10	1 duplicate	< 0.5	8.8	< 0.5	27	100	
Dilution factor for DEHP 5	21-Apr-10 25-Aug-10	2 3	< 0.5	22 5.7	< 0.5	71 12	240 39	
	25-Aug-10	3 ^{duplicate}	< 0.5	< 0.5	< 0.5	< 1.5	29	
	8-Dec-10	4	< 0.5	18.0	< 0.5	50.0 6.8	92 51	
	15-Mar-11 15-Mar-11	1 duplicate	< 0.5	< 0.5	< 0.5	5.8	52	
MVV-28i								
Dilution factor for BTEX 5	22-Jun-06	2	< 1.0	480.0	< 1.0	1,300	270	
Dilution factor for Xylene and DEHP is 5	13-Sep-06	3 4	< 0.2	72.0 10.0	J 0.6 < 0.2	520 14	180 90	
Dilution factor for OEHP is 10	7-Nov-06 7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	76	
	27-Jun-07 12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	3.9	
Dilution for DEHP is 1 3	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	1.4	
Dilution for DEHP is 5 Dilution for DEHP is 1 11	20-Feb-08 7-May-08	1 2	< 1.0	< 1.0 < 1.0	< 5.0 < 5.0	< 3.0	31 28	
District of Delta Artist	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	49	
	29-Oct-08 15-Jan-09	4	< 0.2	< 0.2	< 0.2	< 0.6	110 61	
	15-Jan-09	1 duplicate	< 0.9	< 0.8	< 0.8	< 0.9	41	
Dilution factor for DEHP 10	8-Apr-09 22-Jul-09	2 ⁽⁵⁾	< 0.9	< 0.8	< 0.8	< 0.9	240 19	
	12-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	15	
	12-Nov-09	4 dupicate	< 0.9	< 0.8	< 0.8	< 0.9	11	
11 11 11	16-Feb-10 21-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5 9.4	12 26	
	25-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	11	
	8-Dec-10 14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	25 28	
1841.00								
MW-29s	22-Jun-06	2	< 0.2	J 0.2	< 0.2	J 0.6	J 1.0	
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 1.0	
	9-Nov-06 7-Feb-07	4	< 0.2	< 0.2	< 0.2 < 5.0	< 0.6	< 1.0	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Delllution for DEHP 1.2	11-Sep-07 5-Dec-07	3 4	< 1.0	< 1.0 < 1.0	< 5.0 < 5.0	< 3.0	< 1.0	
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution factor for DEHP 1.05 [DUP-02] Dilution factor for DEHP 1.18	19-Feb-08 7-May-08	1 duplicate	< 1.0	< 1.0	< 5.0 < 5.0	< 3.0	< 1.0	
SHARM RECORDS DECRY 1.18	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	29-Oct-08 29-Oct-08	4 4 ^{duplicate}	< 0.2	< 0.2	J 0.3 J 0.2	< 0.6	< 1.0	
	15-Jan-09	1	< 0.2	< 0.8	< 0.8	< 0.9	< 1.0	
	7-Apr-09	2(4)	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	21-Jul-09 11-Nov-09	3 4	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	20-Apr-10 24-Aug-10	2 3	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5	< 1.5 < 1.5	< 1.0 < 0.95	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.98	
	14-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
MW-30s								
Dilution (notes for PPRV 30 DRUP - 500	21-Jun-06	2	< 1.0	1,200	J 1.3	3,900	740	
Dilution factor for BTEX 20, DEHP is 500 Dilution factor for BTEX 5, DEHP is 100	13-Sep-06 9-Nov-06	3 4	< 4.0	1,200 540	46.0 < 1.0	5,100 2,600	19,000 2,500	
	7-Feb-07	1	NS - froze	n NS - frozen	NS - froze	n NS - froze	n NS - frozen	
Dilution factor for BTEX 5, DEHP is 2000 Dilution factor for DEHP is 50	26-Jun-07 12-Sep-07	3	< 1.0	300 < 1.0	< 25 < 5.0	1,200	13,000 880	
Dilution factor for DEHP is 200	12-Sep-07	3 ^{duplicate}	< 1.0	< 1.0	< 5.0	< 3.0	1,700	
Dilution factor for DEHP is12, BTEX is 5	6-Dec-07	4	1.5	34.0	110	260	200	

TABLE 2 DAYCO CORPORATION/LE. CARPENTER SUPERFUND SITE Borough of Wharton, Morris County, New Jersey Groundwater Monitoring Data

				ANALYTICAL PAR	AMETERS			
MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2- Ethylhexylphthalate (DEHP)	1,3-Butadien
		UNITS	ug/I	ug/l	ug/l	ug/l	ug/l	ug/l
	PRACTICAL OLIAN	SOLUBILITY LIMIT TITATION LIMIT [PQL]	1,700,000	152,000	515,000	175,000	334	
NEW JERSEY GROUNDWATER Q			0.2	700	600	1,000	2	
		F NJGWQS AND PQL	1	700	600	1,000	3	
Dilution factor for Total Xylene is 5, DEHP is 1.25	8-May-08	2	< 1.0	100	< 5.0	460	9.6	
DEHP Dilution 5	22-Jul-08 29-Oct-08	3	< 1.0	14 80	< 5.0 J 0.2	86 290	80 180	
DEAP DILLION 5	15-Jan-09	1	NS - frozen	NS - frozen	NS - frozen	NS - frozer		
Dilution factor for DEHP is 50	8-Apr-09	2	< 0.9	74	< 0.8	340	1,100	
Dilution factor for DEHP is 10 Dilution factor for DEHP is 10	22-Jul-09 11-Nov-09	3	< 0.9	63	< 0.8	34 140	550 350	
	15-Feb-10	1	NS - frozen	NS - frozen	NS - frozen	NS - frozer	NS - frozen	
Dilution factor for DEHP is 10 Dilution factor for DEHP is 5	21-Apr-10 21-Apr-10	2 2 ^{duplicate}	< 0.5	5.4	< 0.5	15 22	480 460	
Dilution factor for DEHP is 2	24-Aug-10	3	< 0.5	12	< 0.5	19	140	
Dilution factor for DEHP is 5	8-Dec-10	4 4 ^{dupicate}	< 0.5	16	< 0.5	38	180	
Dilution factor for DEHP is 5	8-Dec-10 16-Mar-11	1	< 0.5	15 10	< 0.5	37 39	250 390	
MVV-30i	24 1 05	2	1.0.2	20		170	J 2	
	21-Jun-06 13-Sep-06	3	J 0.3 < 0.2	1.5	< 0.2	4.9	19	
	8-Nov-06	4	< 0.2	J 0.2	< 0.2	< 0.6	J 1	
	8-Nov-06	4 duplicate	< 0.2	J 0.2	< 0.2	< 0.6	< 1.0	
	7-Feb-07 26-Jun-07	2	NS - frozen	NS - frozen	NS - frozen < 5.0	NS - frozer	NS - frozen	
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.3	
Dilution factor for DEHP 1.2	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2	
Dilution factor for DEHP 1.05 Dilution factor for DEHP 1.05	19-Feb-08 7-May-08	1 2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
Dilution factor for DEHP 1.18	7-May-08	2 ^{duplicate}	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	29-Oct-08 15-Jan-09	1	< 0.2 NS - frozen	< 0.2 NS - frozen	< 0.2 NS - frozen	< 0.6 NS - frozer	J 2 NS - frozen	
	8-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	J 3	
	23-Jul-09 23-Jul-09	3 3 ^{duplicate}	< 0.9	< 0.8	< 0.8	< 0.9	J 2	
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	J 1	
	15-Feb-10	1	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	
	21-Apr-10 24-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	1.7	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	16-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	2	
MW-30d								
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	J 3	
	14-Sep-06 8-Nov-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 9 < 0.9	
	7-Feb-07	1	NS - frozen	NS - frozen	NS - frozen	NS - frozer	NS - frozen	
	26-Jun-07 12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0 < 1.0	
Dilution factor for DEHP 1:1	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1	
Dilution factor for DEHP 1.1 Dilution factor for DEHP 1.05	4-Dec-07 19-Feb-08	4 duplicate	< 1.0	< 1.0	7.7 < 5.0	< 3.0	< 1.1	
Dilution factor for DEHP 1.05	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	29-Oct-08 15-Jan-09	1	< 0.2 NS - frozen	< 0.2 NS - frozen	< 0.2 NS - frozen	< 0.6 NS - frozer	< 0.9 NS - frozen	
	8-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	21-Jul-09 11-Nov-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	21-Apr-10 24-Aug-10	2	< 0.5	< 0.5	< 0.5	< 1.5 < 1.5	< 0.95 < 0.95	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
	16-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
MW-31s								
Dilution factor for BTEX 500, DEHP 83.5	8-May-08	2	< 500	5,500	< 2,500	27,000	310	
Dilution factor for Benzene & Toluene 20, Ethylbenzene and Xylenes 250, DEHP 500	23-Jul-08	3	< 20	9,000	< 100	49,000	16,000	
Dilution factor for BTEX 50, DEHP 10 Dilution factor for Benzene & Toluene 10, Ethylbenzene	30-Oct-08	4	< 10	7,900	< 10	40,000	760	
and Xylenes 100, DEHP 50 Dilution factor for BTE 10 and Xylenes 100, DEHP 10	14-Jan-09 9-Apr-09	1 2	< 0.9	4,400 2,300	J 46 < 8	25,000 9,600	3,100 690	
Dilution factor for Benzene & Toluene 5, Ethylbenzene								
and Xylene 50, DEHP 500 Dilution factor for Benzene Ethylbenzene & Toluene 5,	23-Jul-09	3	J 5	4,500	J 10	22,000	23,000	
Xylene 50, DEHP 10 Dilution factor for Benzene & Toluene 5, Ethylbenzene &	12-Nov-09	4	< 5	1,300	J 5	7,400	340	
Xylene 50, DEHP 25	16-Feb-10	1	4.4	4,000	11	17,000	1,000	
Dilution factor for Ethylbenzene & Xylene 250, DEHP 25	22-Apr-10	2	7.6	8,700	16	40,000	190	
Dilution factor for Ethylbenzene & Xylene 100, DEHP 10 Dilution factor for Ethylbenzene and Xylene is 50, DEHP	25-Aug-10	3	3.6	760	8.4	12,000	440	
10	9-Dec-10	4	1.0	730	2.4	4,100	1,100	
Dilution factor for Ethylbenzene & Xylene 100, DEHP 25	17-Mar-11	1	4.3	4,700	14.0	21,000	330	
MW-32s								
Dilution factor for BTEX 200, DEHP 121000	8-May-08	2	< 200	16,000	< 1,000	75,000	370,000	
Dilution factor for Benzene & Toluene 50, Ethylbenzene and Xylenes 250, DEHP 200	23-Jul-08	3	< 50	8,600	< 250	43,000	7,900	
BTE 5, Xylenes 10, DEHP 100	30-Oct-08	4	J 1.1	1,200	J 1.7	6,900	4,600	
Dilution for BTE 50, Xylene 500, DEHP 500 Dilution for Benzene & Ethylbenzene 20, Toluene &	15-Jan-09	1	< 45	8,900	< 40	40,000	12,000	
Xylenes 200, DEHP 100	8-Apr-09 23-Jul-09	3	< 18 < 45	8,200 7,400	< 16 < 40	50,000 43,000	8,600 5,400	
Dilution factor for BTE 50, Xylene & DEHP 200 Dillution factor for BTE 20, Xylene 200 & DEHP 100	12-Nov-09	4	< 18	3,800	< 16	29,000	2,300	
Dilution factor for Benzene & Toluene 5, Ethylbenzene & Xylene 50, DEHP 1000	16-Feb-10	1	7.7	7,400	10	36,000	130,000	
bilution factor for Ethylbenzene and Xylenes 100, DEHP	22-Apr-10	2	6.7	6,200	14	31,000	2,800	
Dilution factor for Ethylbenzene and Xylenes 100, DEHP		3	6.9		4.5			
Dilution factor for Ethylbenzene and Xylene is 50, DEHP	25-Aug-10			4,500		20,000	6,100	
200 Dilution factor for Ethylbenzene and Xylene is 100, DEHP	9-Dec-10	4	0.9	1,100	0.5	5,900	15,000	
50	17-Mar-11	1	3.3	3,600	0.55	11,000	2,000	

TABLE 2 DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE Borough of Wharton, Morris County, New Jersey Groundwater Monitoring Data

MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2- Ethylhexylphthalate (DEHP)	1,3-Butadie
		UNITS SOLUBILITY LIMIT	ug/l 1,700,000	ug/I 152,000	ug/l 515,000	ug/I 175,000	ug/I 334	ug/l
	PRACTICAL QUAN	TITATION LIMIT [PQL]	1	2	1	2	3	
NEW JERSEY GROUNDWATER Q	THE PARTY OF THE P	The second of the last of the second	0.2	700	600	1,000	2	
	HIGHER C	F NJGWQS AND PQL	1	700	600	1,000	3	
MW-33s								
Dilution factor for DEHP 1.25	8-May-08	2	4	6.6	< 5.0	27	16	
Oilution factor for DEHP 50	23-Jul-08 30-Oct-08	3	J 0.4	< 1.0 J 0.6	< 5.0 J 0.3	3.3 < 3.0	5,500	
Dilution factor for DEHP 200	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	3,400	
Dilution factor for DEHP 50	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	1,100	
Dilution factor for DEHP 500 Dilution factor for DEHP 20	23-Jul-09 12-Nov-09	3	< 0.9	< 0.8	< 0.8	J 2.0 J 2.0	81,000 790	
Dilution factor for DEHP 250	16-Feb-10	1	< 0.5	0.5	< 0.5	5.1	21,000	
Dilution factor for DEHP 20 Dilution factor for DEHP 10	22-Apr-10 25-Aug-10	3	< 0.5	1.5	< 0.5	10 5.9	910 560	
Dilution factor for DEHP is 100	9-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	9,700	
	17-Mar-11	1	< 0.5	2.5	< 0.5	14.0	280	
MW-34s								
DEHP 1.33	6-May-08	2	1.3	230	< 5.0	1,200	3	
Dilution factor for BTEX 20	23-Jul-08	3	< 20	470	< 100.0	2,300	1.6	
Dilution factor for BTE 10, Xylene 100	30-Oct-08 15-Jan-09	4	< 0.2	2,700	< 0.2 J 16.0	180 13,000	7	
Dilution for Benzene & Toluene 10, Ethylbenzene & Xylenes 100, DEHP 100	8-Apr-09	2	< 9	3,600	J 18.0	18,000	J 5	
Dilution for Benzene & Toluene 2, Ethylbenzene &	1.000 000000000000000000000000000000000	3	< 2	2100000				
Xylenes 20 Ethylbenzene & Xylenes 10	23-Jul-09 12-Nov-09	4	< 0.9	1,300 440	J 5.0 < 0.8	6,700	9	
Dilution facor for Ethylbenzene and Xylene is 20	16-Feb-10	1	1.5	680	2.2	2,300	13	
Dilution factor for Ethylbenzene and Xylene is 100 Dilution factor for Ethylbenzene and Xylene is 100	22-Apr-10 25-Aug-10	2	5.6 4.7	3,400 240	13	14,000 1,200	8.1 22	
and Ayene is 100	9-Dec-10	4	< 0.5	4	< 0.50	6	8	
	17-Mar-11	1	< 0.5	78	< 0.50	280	7.7	
MW-35s								
Dilution factor for Ethylbenzene and Total Xylenes 500,	0.14. 00	2	4.5	05-			46.5	
DEHP 57 Dilution factor for Benzene & Toluene 10, Ethylbenzene	6-May-08	2	1.3	230	< 5.0	1,200	490	
and Xylenes 250, DEHP 20 illution factor for Xylenes 100, Benzene 20, Toluene 20,	23-Jul-08	3	16	12,000	260.0	67,000	530	
Ethibenzene 100, DEHP 10	30-Oct-08	4	J 9.6	8,800	34.0	57,000	460	
tion factor for Benzene and Toluene 20, Ethylbenzene, Xylene and DEHP 200	15-Jan-09	1	< 18	12,000	J 36.0	88,000	3,500	
Dilution factor for Benzene and Toluene 20, Ethylbenzene& Xylene 200, DEHP 50	8-Apr-09	2	< 18	13,000	J 40.0	100,000	1,800	
Nution factor for Benzene & Toluene 20, Ethylbenzene and Xylene 200, DEHP 500	23-Jul-09	3	< 18	14,000	J 36.0	92,000	20,000	
Dilution factor for Benzene Ethylbenzene & Toluene 50, Xylene and DEHP 500	12-Nov-09	4	< 45	8,900	< 40.0	69,000	3,000	
ution factor for Benzene & Toluene 20, Ethylbenzene &		1						
Xylene 1000 and DEHP 25 ution factor for Ethylbenzene & Xylene 200, and DEHP	16-Feb-10		< 10	9,800	30.0	59,000	660	
25 Dilution factor for Ethylbenzene & Xylene 1000, and	22-Apr-10	2	13	14,000	35	79,000	540	
DEHP 5 Dilution for Ethylbenzene is 50, Xylene is 500, DEHP is	25-Aug-10	3	8.7	10,000	24	61,000	280	
Dilution for ethylbenzene is 200, xylene 200,	9-Dec-10	4	7.5	9,200	29	51,000	3,400	
bisethylhexylphthalate 25	17-Mar-11	1	5.8	16,000	30	83,000	570	
Atmospheric Blank	13-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
Autospheric Blank	8-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	26-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	27-Oct-05 28-Feb-06	4	< 0.2	< 0.2 < 0.2	< 0.2	< 0.6	< 1.0	
	20-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	20 0111 00			0.12	0.2		1.0	
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	7-Nov-06 8-Feb-07	4	< 0.2	< 0.2	< 0.2 J 1.9	< 0.6	< 1.0	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
ATM-01 ATM-01, Dilution factor for DEHP 1:08	20-Feb-08 6-May-08	2	< 1.0	< 1.0	< 5.0 < 5.0	< 3.0	< 1.0	
Or, promote returns of the 100	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	28-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	14-Jan-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
	8-Apr-09 22-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0 < 0.9	
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
	15-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
	20-Apr-10 24-Aug-10	3	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5	< 1.5 < 1.5	< 1.0 < 0.95	
	8-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	< 0.96	
	16-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
Rinsate Blank							-	
INITIONIC DIGITA	14-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	9-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	27-Oct-05 28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	22-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	13-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	14-Sep-06 9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0	
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	8-Feb-07 27-Jun-07	1 2	< 1.0	< 1.0 < 1.0	< 5.0 < 5.0	< 3.0	< 1.0 < 1.0	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	10-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.1	
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	2.7	

TABLE 2 DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE Borough of Wharton, Morris County, New Jersey Groundwater Monitoring Data

				ANALYTICAL PA	RAMETERS			
MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2- Ethylhexylphthalate (DEHP)	1,3-Butao
		UNITS	ug/l	ug/I	ug/I	ug/I	ug/I	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334	ugri
	PRACTICAL QUAN	TITATION LIMIT [PQL]	1	2	1	2	3	
NEW JERSEY GROUNDWATER Q			0.2	700	600	1,000	2	
	Section of the second of the second	F NJGWQS AND PQL	1	700	600	1,000	3	
RB-02	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
RB-03	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
	5-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
RB-02	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
R8-03	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0	
R8-02	30-Oct-08 30-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9	
RB-01	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
RB-02	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
R8-01	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
RB-02	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0	
R8-01	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9	
RB-02	23-Jul-09	3 4	< 0.9	< 0.8	< 0.8	< 0.9	J 2.0 < 1.0	
RB-02	12-Nov-09 16-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
RB-02	21-Apr-10	2	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	
RB-02	25-Aug-10	3	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95	
RB-02	9-Dec-10	4	< 0.5	< 0.5	0.6	< 1.5	< 0.96	
RB-03	9-Dec-10	4	< 0.5	< 0.5	0.7	< 1.5	23	
RB-01	17-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	< 0.95 < 0.98	
RB-02 R8-03	17-Mar-11 17-Mar-11	1	< 0.5	< 0.5 < 0.5	< 0.5	< 1.5	< 0.98	
Novos	17-Ividi-11		4 0.5	- 0.5	- 0.5	1.0	- 0.50	
Trip Blank								
	13-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	9-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	27-Jul-05 27-Oct-05	3	< 0.2	< 0.2	< 0.2	< 0.6	NA NA	-
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	NA NA	
	20-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	NA.	
	12-Sep-06	3	< 0.2	J 0.2	< 0.2	< 0.6	NA	
	13-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	6-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	NA.	
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	NA NA	
	7-Feb-07 8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	NA NA	
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	NA NA	
	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	18-Feb-08 5-May-08	2	< 1.0	< 1.0	< 5.0 < 5.0	< 3.0	NA NA	
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	NA NA	
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	NA	
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	NA	
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	NA NA	
	5-Apr-09 7-Apr-09	2 2	< 0.9	< 0.8	< 0.8	< 0.9	NA NA	
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	NA NA	
	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	NA.	
	8-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	NA	
	10-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	NA	
	11-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	NA NA	
	11-Feb-10	1	< 0.5	< 0.5	< 0.5	< 1.5	NA NA	
	14-Apr-10 21-Apr-10	2	< 0.5	< 0.5 < 0.5	< 0.5	< 1.5 < 1.5	NA NA	
	7-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	NA NA	
	8-Dec-10	4	< 0.5	< 0.5	< 0.5	< 1.5	NA	
	30-Nov-10	4	< 0.5	< 0.5	< 0.5	< 1.5	NA	
Trip Blank	16-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	NA	
TB-02	17-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	NA NA	
TB-03	18-Mar-11	1	< 0.5	< 0.5	< 0.5	< 1.5	NA.	
							1	

NOTES

(1) Line flow sampling incided 1st quarter 2002

(2) Die Series wirds are indeproveders installed by Weston

(3) Die Series wirds are indeproveders installed by Weston

(3) Die Series wirds wird in Die Series was above 0.0 miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS Sample was re-estitated and DEHP was spar above the 2D miles in the LCS

LEGEND

Ligit. = morograms per iter

1/LOWGS = New Jeney Stoundwater Quality Standards

4/QO TRecord of Decision

1/S = Not Samples

1/S = Not Sam

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY CLASS IIA	STANDARDS	NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005(2)
MW-19	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	80	30	589	ND	ND	0.054	3.6 J	150	NS
	3Q04	630	30.9	553	ND	ND	0.12	1.7 J	230	NS
	1Q05	350	17.2	347	0.22	ND	ND	7.4	230	NS
	2Q05 ^L	390	10.8 J	413	2.8	ND	ND	33.3	3.0 J	NS
	2Q05 ^U	1,400	15	455	3	ND	ND	30	2.0 J	NS
	3Q05	3	67	1,070	0	1.3	ND	6	33	NS
	4Q05	120	23	620	1	0.88	ND	37	19	NS
	1Q06	25	36	559	ND	ND	ND	3.3 J	140	NS
	2Q06	56	44	460	ND	0.43 J	ND	3.2 J	95	ND
Dilution factor for Methane 5	3Q06	60	13	435	ND	0.43 J	ND	5	310	ND
Dilution factor for Methane 100	4Q06	20	16	411	ND	ND	0	2.9 J	1,700	ND
	1Q07	140	7	340	ND	ND	ND	ND	540	ND
	2Q07	180	20	1,100	ND	0.62	ND	ND	380	ND
	3Q07	1,200	23	710	ND	0.76	0	ND	300	ND
	4Q07	FS	30	500	ND	0.64	0	ND	680	ND
	1Q08	150	3.6	190	2	ND	ND	25	ND	ND
Dilution factor for Dissolved Lead 5	2Q08	1,900	26	1,200	ND	0.52	ND	ND	650	ND
	3Q08	740	6.2	820	ND	0.57	ND	ND	510	ND
Dilution for methane 50	4Q08	120	8.0 J	662	ND	0.60	0.14	ND	4,000	ND
Dilution for methane 10	1Q09	13	25.2	356	ND	ND	ND ND	3.6 J	2,200	ND
Dilution for methane 50	2Q09	36	12.8	670	ND	ND	ND	2.4 J	4.800	ND
Dilduori ioi metrane 30	3Q09	25	11.2 J	353	ND	ND	ND	ND ND	5,300	ND
MW-19R	5005	20	11.2.3	303	140	NU	110	140	5,500	140
Dilution factor for Nitrate and Sulfate 5	4Q10	7200	22	880	ND	0.13	0.086	70	280	ND
Dilution factor for Nitrate and Sulfate 5 Dilution factor for Nitrate and Sulfate 5	1011	290	ND ND	1000	3.5	0.044	ND	81	ND	ND
Sinducti factor for Hidate and Sunate 3	10(11	230	140	1000	0.0	0.044	110	31	140	140
MW-19-5	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
18174-13-3	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	180	14	942	0.06 J	ND	ND	15.7	2100	NS
	1Q05	380	3.6 J	174	0.49	ND	ND	15.8	34	NS
		3000	3.6 J	177	ND ND	ND	ND	12	380	NS
	2Q05 ^L									
	2Q05 ^U	100	3.6 J	141	0.43	ND	ND	8.7	ND 1700	NS
	3Q05	69	6.8 J	463	ND	ND	ND	7.7	1700	NS
	4Q05	58	ND	144	0.38	ND	ND	12.8	3.8 J	NS
	1Q06	12	ND	287	0.97 J	ND	ND	11.2	290	NS
	2Q06	22	9.2 J	190	0.19	ND	ND	14.2	150	ND
Dilution factor for Methane 10	3Q06	30	ND	275	0.12	ND	ND	10.2	700	ND
Dilution factor for Methane 10	4Q06	620	ND	236	0.1	ND	ND	10.9	640	ND
	1Q07	240	7	340	ND	0.51	ND	ND	500	0.011
	2Q07	91	18	350	ND	0.13	ND	ND	570	ND
Dilution factor for Methane 4	3Q07	110	7.8	360	ND	ND	ND	ND	840	ND
	4Q07	FS	5.1	240	0.13	0.14	0.12	7.8	370	ND
	1Q08	380	1.9	120	0.16	ND	ND	7.2	ND	ND
	1Q08D	170	1.8	120	0.15	ND	ND	7.2	ND	ND
	2Q08	560	3.3	370	0.15	ND	ND	13	340	ND
Dilution factor for Methane 4	3Q08	100	16	560	ND	0.3	ND	ND	1,500	ND
	4Q08	46	ND	164	0.35	ND	ND	15.1	59	ND
Dilution factor for Methane 2	1Q09	33	ND	143	0.047 J	ND	ND	11	530	ND
Dilution factor for Methane 5	2Q09	27	ND	250	0.069 J	ND	ND	6.4	1,300	ND
Dilution factor for Methane 5	2Q09D	110	ND	250	0.071 J	2.6	ND	6.4	1,400	ND
Dilution factor for Methane10	3Q09	25	3.2 J	399	ND	ND	ND	6.7	3400	ND
MW-19-5R			7.2							
Dilution factor for Nitrate and Sulfate 5, Methane 250	4Q10	4800	42	600	ND	0.37	0.18	14	4600	ND
Dilution factor for Nitrate and Sulfate 5, Methane 100	1Q11	1100	9	630	0.7	0.32	0.071	82	5000	ND
			4/-							
MW-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	35	10.4 J	1670	1.6	ND	ND	37.3	140	NS
		110	18.8	1240	1.1	ND	0.062	38.3	140	NS
	3Q04			-				44	130	NS
	3Q04 1Q05	82	11.2 J	544	1.7	ND	ND	_		
				544 1180	1.7	0.29 J	ND ND	33.5	44	NS
	1Q05	82	11.2 J					_	44 96	NS NS
	1Q05 2Q05 ^L	82 23	11.2 J 18	1180	1.3	0.29 J	ND	33.5		
	1Q05 2Q05 ^L 2Q05 ^U	82 23 160	11.2 J 18 ND	1180 1190	1.3	0.29 J ND	ND ND	33.5 32.7	96	NS
	1Q05 2Q05 ^L 2Q05 ^U 3Q05	82 23 160 90	11.2 J 18 ND 40.8	1180 1190 1520	1.3 1 1.1	0.29 J ND ND	ND ND ND	33.5 32.7 35	96 38	NS NS
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06	82 23 160 90 43 14	11.2 J 18 ND 40.8 10.8 J 4.4 J	1180 1190 1520 940 634	1.3 1 1.1 3.5 1.8	0.29 J ND ND ND	ND ND ND ND	33.5 32.7 35 47.8 36.6	96 38 43 50	NS NS NS
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05	82 23 160 90 43 14	11.2 J 18 ND 40.8 10.8 J 4.4 J ND	1180 1190 1520 940 634 802	1.3 1 1.1 3.5 1.8 2	0.29 J ND ND ND ND ND	ND ND ND ND ND	33.5 32.7 35 47.8 36.6 38.3	96 38 43 50 44	NS NS NS NS
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 2Q06D	82 23 160 90 43 14 14	11.2 J 18 ND 40.8 10.8 J 4.4 J ND ND	1180 1190 1520 940 634 802 790	1.3 1 1.1 3.5 1.8 2	0.29 J ND ND ND ND ND	ND ND ND ND ND ND	33.5 32.7 35 47.8 36.6 38.3 37.7	96 38 43 50 44 45	NS NS NS NS ND
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 2Q06 3Q06	82 23 160 90 43 14 14 15 75	11.2 J 18 ND 40.8 10.8 J 4.4 J ND ND 4.4 J	1180 1190 1520 940 634 802 790 682	1.3 1 1.1 3.5 1.8 2 2 2.6	0.29 J ND	ND	33.5 32.7 35 47.8 36.6 38.3 37.7 37.1	96 38 43 50 44 45 32	NS NS NS NS ND ND
	1Q05 2Q05 ^U 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 2Q06D 3Q06 4Q06	82 23 160 90 43 14 14 15 75 240	11.2 J 18 ND 40.8 10.8 J 4.4 J ND ND 4.4 J ND	1180 1190 1520 940 634 802 790 682 574	1.3 1 1.1 3.5 1.8 2 2 2.6 2.3	0.29 J ND	ND N	33.5 32.7 35 47.8 36.6 38.3 37.7 37.1 38.3	96 38 43 50 44 45 32 31	NS NS NS NS ND ND
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 2Q06 2Q06D 3Q06 4Q06 1Q07	82 23 160 90 43 14 14 15 75 240 62	11.2 J 18 ND 40.8 10.8 J 4.4 J ND ND 4.4 J ND 5.3	1180 1190 1520 940 634 802 790 682 574 490	1.3 1 1.1 3.5 1.8 2 2 2.6 2.3 2.4	0.29 J ND	ND N	33.5 32.7 35 47.8 36.6 38.3 37.7 37.1 38.3 34	96 38 43 50 44 45 32 31 21	NS NS NS NS ND ND ND
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 2Q06 3Q06 4Q06 1Q07 2Q07	82 23 160 90 43 14 15 75 240 62 70	11.2 J 18 ND 40.8 10.8 J 4.4 J ND ND 4.4 J ND 5.3 8.7	1180 1190 1520 940 634 802 790 682 574 490	1.3 1 1.1 3.5 1.8 2 2 2.6 2.3 2.4 2.9	0.29 J ND	ND N	33.5 32.7 35 47.8 36.6 38.3 37.7 37.1 38.3 34	96 38 43 50 44 45 32 31 21 230	NS NS NS NS ND ND ND ND
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 2Q06 2Q06D 3Q06 4Q06 1Q07 2Q07 3Q07	82 23 160 90 43 14 14 15 75 240 62 70	11.2 J 18 ND 40.8 10.8 J 4.4 J ND ND ND ND 5.3 8.7 2.6	1180 1190 1520 940 634 802 790 682 574 490 1900 820	1.3 1 1.1 3.5 1.8 2 2 2.6 2.3 2.4 2.9	0.29 J ND	ND N	33.5 32.7 35 47.8 36.6 38.3 37.7 37.1 38.3 34 48	96 38 43 50 44 45 32 31 21 230 68	NS NS NS NS ND
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 2Q06D 3Q06 4Q06 1Q07 2Q07 3Q07 4Q07	82 23 160 90 43 14 14 15 75 240 62 70 100 FS	11.2 J 18 ND 40.8 10.8 J 4.4 J ND ND 4.4 J ND 5.3 8.7 2.6 3.2	1180 1190 1520 940 634 802 790 682 574 490 1900 820 710	1.3 1 1.1 3.5 1.8 2 2 2.6 2.3 2.4 2.9 2	0.29 J ND	ND N	33.5 32.7 35 47.8 36.6 38.3 37.7 37.1 38.3 34 48	96 38 43 50 44 45 32 31 21 230 68 87	NS NS NS NS NS ND
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 2Q06D 3Q06 4Q06 1Q07 2Q07 3Q07 4Q07 1Q08	82 23 160 90 43 14 14 15 75 240 62 70 100 FS	11.2 J 18 ND 40.8 10.8 J 4.4 J ND ND 4.4 J ND 5.3 8.7 2.6 3.2 2.6	1180 1190 1520 940 634 802 790 682 574 490 1900 820 710 650	1.3 1 1.1 3.5 1.8 2 2 2.6 2.3 2.4 2.9 2 2.3 1.1	0.29 J ND	ND N	33.5 32.7 35 47.8 36.6 38.3 37.7 37.1 38.3 34 48 40 36 28	96 38 43 50 44 45 32 31 21 230 68 87 78	NS NS NS NS ND
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 2Q06 2Q06 3Q06 4Q06 1Q07 3Q07 4Q07 4Q07 1Q08 2Q08	82 23 160 90 43 14 15 75 240 62 70 100 FS 120 22	11.2 J 18 ND 40.8 J 4.4 J ND ND 4.4 J ND 5.3 8.7 2.6 3.2 2.6 2.9	1180 1190 1520 940 634 802 790 682 790 1900 820 710 650 1,200	1.3 1 1.1 3.5 1.8 2 2.6 2.3 2.4 2.9 2 2.3 1.1 1.9	0.29 J ND	ND N	33.5 32.7 35 47.8 36.6 38.3 37.7 37.1 38.3 34 48 40 36 28	96 38 43 50 44 45 32 31 21 230 68 87 78 27	NS NS NS NS NS ND
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 3Q05 4Q05 1Q06 2Q06 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 4Q07 1Q08 2Q08 3Q08	82 23 160 90 43 14 14 15 75 240 62 70 100 FS 120 22 140	11.2 J 18 ND 40.8 J 4.4 J ND ND ND ND 5.3 8.7 2.6 3.2 2.6 2.9 6.2	1180 1190 1520 940 634 802 790 682 574 490 1900 820 710 650 1,200 1,400	1.3 1 1.1 3.5 1.8 2 2.6 2.3 2.4 2.9 2 2.3 1.1 1.9	0.29 J ND	ND N	33.5 32.7 35 47.8 36.6 38.3 37.7 37.1 38.3 34 40 36 28 28 32 34	96 38 43 50 44 45 31 21 230 68 87 78 27	NS NS NS NS ND
	1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 2Q06 2Q06 3Q06 4Q06 1Q07 3Q07 4Q07 4Q07 1Q08 2Q08	82 23 160 90 43 14 15 75 240 62 70 100 FS 120 22	11.2 J 18 ND 40.8 J 4.4 J ND ND 4.4 J ND 5.3 8.7 2.6 3.2 2.6 2.9	1180 1190 1520 940 634 802 790 682 790 1900 820 710 650 1,200	1.3 1 1.1 3.5 1.8 2 2.6 2.3 2.4 2.9 2 2.3 1.1 1.9	0.29 J ND	ND N	33.5 32.7 35 47.8 36.6 38.3 37.7 37.1 38.3 34 48 40 36 28	96 38 43 50 44 45 32 31 21 230 68 87 78 27	NS NS NS NS NS ND

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolve Lead
W IEDOEV ODOUNOWATED OUT IT	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
W JERSEY GROUNDWATER QUALITY CLASS IIA	Y STANDARDS	NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005(2)
	3Q09	6	4.0 J	938	1.5	ND	ND	36.1	230	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	260	8	1,200	0.69	0.028	ND	38	60	ND
MW-19-6R										
Dilution factor for Nitrate and Sulfate 5	4Q10	46000	9	620	1.5	0.012	ND	39	7.6	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	260	8	1200	0.69	0.028	ND	38	60	ND
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
10104-13-1	2Q04	110	6.8 J	2110	0.21	ND	ND	47.2	5200	NS
	2Q04D	88	9.2 J	2040	0.21	0.15 J	ND	37.3	5400	NS
Dilution factor for Methane 250	3Q04	2000	4.4 J	1920	1.5	ND	ND	64.4 29.1	2400 10000	NS NS
Dilution factor for Methane 250 Dilution factor for Methane 250	1Q05 1Q05D	75 77	6.0 J 7.2 J	774 754	3.2	ND ND	ND ND	30.5	11000	NS
	2Q05 ^L	32	54	472	ND	0.50 J	0.45	ND	13000	NS
	2Q05 ^U	41	48	481	ND	0.35 J	0.32	ND	10000	NS
	3Q05 ^L	17	45.6	1450	ND	ND	0.3	19.2	2900	NS
	3Q05 ^U	17	31.6	1280	0.22	0.29 J	0.1	25.7	1600	NS
Dilution factor for Methane 250	4Q05 1Q06	16 14	32	926 621	0.16 ND	0.5 ND	0.23	8.9 2.2 J	7700 10000	NS NS
	1Q06D	10	36.8	628	ND	ND ND	0.3	1.6 J	10000	NS NS
Dilution factor for Methane 200	2Q06	68	16.8	655	0.87	ND	0.16	12.9	11000	ND
Dilution factor for Methane 100	3Q06	79	9.2 J	799	2.1	ND	0.15	15.1	8600	ND
Dilution factor for Methane 100	4Q06	600	4.4 J	568	3.4	ND	ND 0.34	31.3	5600	ND
Dilution factor for Methane 4 Dilution factor for Methane 5	1Q07 1Q07D	38 40	18	420 440	0.59	ND ND	0.31	11	1200 1300	ND ND
Dildioi Factor for Wediane 5	2Q07	130	4.4	610	0.25	ND	ND	12	530	ND
	3Q07	890	1.8	590	0.39	ND	ND	16	120	ND
	4Q07	FS	2.2	1200	2.6	0.23	ND	21	170	ND
	1Q08	180	6.7	1600	3.2	ND 0.12	ND ND	24	300 430	ND ND
	2Q08 3Q08	52 340	6.8	1100 560	0.24 ND	0.12	0.11	17 ND	400	ND
Dilution factor for Methane 5	4Q08	270	3.25	617	1.1	ND	ND	20	550	ND
Dilution factor for Methane 5	4Q08D	110	ND	625	1.1	ND	ND	20.6	570	ND
	1Q09	34	4.0 J	2280	1.9	ND	ND	31.9	280	ND
	2Q09 3Q09	98 250	23.6 5.2 J	3010 1250	0.33	ND ND	ND ND	31.2 29	400 740	ND ND
	3003	250	0.20	7200	0.00	IND	140	25	740	140
MW-19-7R										
Dilution factor for Nitrate and Sulfate 5	4Q10	2800	10	560	2.1	0.2	0.23	35	35	ND
on factor for Nitrate and Sulfate 5, Methane 100	1Q11	43	10	1300	ND	0.28	0.26	16	3300	ND
MW-19-8	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	45	14.4	1120	ND	ND	0.15	22.8	79	NS
Dilution factor for Methane 5	3Q04 1Q05	15 91	7.2 J 25.2	573 1150	ND ND	0.24 J ND	0.12	11.5 16.3	790 510	NS NS
Dilution factor for Wethane 5	2Q05	270	20	796	ND	ND	ND	23.7	5.3	NS
	3Q05	ND	8.8 J	876	0.33	0.26 J	ND	20.3	74	NS
	4Q05	210	4.4 J	926	0.88	ND	ND	24.6	24	NS
Dilution factor for Nitrate an Sulfate is 5	1Q11	40	4	1900	2.6	0.026	ND	37	1.2	NS
MW-19-9D	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
MAA-13-3D	2004	210	6.0 J	621	0.14	0.33 J	ND	18.2	1300	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q05	NS	NS	NS	NS	NS NC	NS NS	NS	NS NS	NS NS
	3Q05 4Q05	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	NS	NS
	4000	110	110	1,10	110	110	110	1,10	110	1,10
MW-19-10	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	34	6.8 J	563	ND	ND	ND	18	2.6 J	NS
	3Q04 3Q04D	18 22	10.4 J	908 890	ND ND	ND 0.24 J	ND ND	19.2 17.9	3.3 J 2.9 J	NS NS
	1Q05	29	5.2 J	625	ND	ND	ND	16.9	74	NS
	2Q05 ^L	170	32.4	653	ND	ND	ND	18.1	48	NS
	2Q05 ^U	93	32	691	ND	0.12 J	ND	18.3	48	NS
	3Q05	26	10.4 J	560	ND	ND	ND	16	ND	NS
	4Q05	56	17.2	654	ND	ND	ND	15.3	3.2 J	NS
MW-19-11	1Q05	940	4.8 J	4750	2.2	ND	ND	65.6	9.9	NS
IVIVV-13-11	2Q05 ^L	NS NS	4.8 J 64	731	ND	0.42 J	ND ND	18	930	NS NS
	2Q05 ^U	14	27.2	740	ND	ND	ND	17.2	1200	NS
	3Q05	63	106	555	ND	ND	0.11	21.5	26	NS
Dilution factor for Methane 10		80	15.2	854	ND	0.32 J	ND	25.5	440	NS
					4					
MW-19-12 ⁽³⁾	2Q06	4,000	11.2 J	548	0.048 J	ND ND	ND	15.1	4.8 J	ND
MW-19-12 ⁽³⁾ Dilution factor for Methane 5	3Q06	170	6.4 J	822	0.36	ND	ND	22.9	170	ND

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY CLASS IIA	STANDARDS	NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005(2)
	2007	55	ND	240	0.93	ND	ND	13	ND	ND
	2Q07D	8	ND	270	0.93	ND	ND	13	ND	ND
	3Q07	73	ND	290	0.89	ND	ND	13	ND	ND
	4Q07	FS	3	260	0.9	ND	ND	11	ND	ND
	1Q08	9	ND	160	0.84	ND	ND	5.7	ND	ND
	2Q08	ND	1.1	220	1	ND	ND	10	ND	ND
	3Q08	2	1.7	220	0.72	ND	ND	8.1	ND	ND
	4Q08	7	ND	269	0.79	ND	ND	16.6	ND	ND
	1Q09	4	ND	170	1.1	ND	ND	18.3	ND	ND
	2Q09	320	5.2 J	334	0.94	ND	ND	18.5	ND	ND
	3Q09	18	ND	261	0.9	6.2	ND	13.3	ND	ND
	4Q09	ND	ND	263	0.81	ND	ND	15.3	ND	ND
Dilution factor for Nitrate an Sulfate is 5	4Q10	ND	ND	280	0.78	ND	0.057	15	ND	ND
Dilution factor for Nitrate an Sulfate is 5	1Q11	4	14	280	1	0.028	ND	11	ND	ND
MW 10 12										
MW-19-13 Dilution factor for Nitrate and Sulfate 5	4Q10	5,600	110	560	ND	0.33	0.19	26	9,600	ND
Dilution factor for Nitrate and Suifate 5 Dilution factor for Nitrate and Suifate 5, Methand 50	1Q11	9,000	130	470	ND 3.5	0.059	0.19	66	2,000	ND
Dilution factor for Nitrate and Sulfate 5, Methand 50	IQII	9,000	130	4/0	3.5	0.059	0.17	- 00	2,000	ND
MW-19-14										
Dilution factor for Nitrate and Sulfate 5, Methane 2	4Q10	31,000	24	870	0.32	0.16	ND	65	95	ND
Dilution factor for Nitrate and Sulfate 5, Methane 2 Dilution factor for Nitrate and Sulfate 5, Methane 2	4Q10D	27,000	24	970	0.32	0.014	ND	67	37	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	320	ND	940	3.5	0.037	ND	93	ND	ND
Dilution factor for Nitrate and Sulfate 5	1Q11D	340	ND	920	3.4	0.042	ND	93	ND	ND
and the second s		0.10	.,,,	020		5.572	.,,0	- 50	.10	140
MW-19-15										
Dilution factor for Nitrate and Sulfatae 5	4Q10	88,000	21	510	0.55	0.13	ND	34	6	ND
Dilution factor for Nitrate an Sulfate is 5	1011	2,200	7	1400	3.4	0.015	ND	54	ND	ND
				7.00					,,,_	1.2
MW-19-16									-	
Dilution factor for Nitrate and Sulfatae 5	4Q10	2.100	9	980	0.7	0.016	ND	87	ND	ND
Dilution factor for Nitrate an Sulfate is 5	1Q11	740	ND	950	4.6	0.012	ND	100	ND	ND
MW-19-17										
Dilution factor for Nitrate and Sulfatae 5	4Q10	130	9	380	ND	0.73	0.13	4.8	980	ND
Dilution factor for Nitrate an Sulfate is 5	1Q11	64	14	1300	ND	0.91	0.092	13	33	ND
MW-8										
Dilution factor for Methane 10	3Q08	ND	66	300	ND	0.68	0.4	ND	3,000	ND
Dilution factor for Methane 20	4Q08	5,200	33.6	94.5	ND	0.35 J	ND	1.9 J	1,800	ND
Dilution factor for Methane 10	1Q09	51	56.8	270	ND	0.64	0.16	ND	2,600	ND
Dilution factor for Methane 50	2Q09	450	28	174	ND	ND	ND	ND	6,100	ND
	3Q09	75	40	407	ND	ND	0.13	2.5 J	2,400	ND
Dilution factor for Methane 20	4Q09	84	42.5	191	ND	0.53 J	ND	ND	5,600	ND
Dilution factor for Nitrate, and Ammonia 5, TDS & TSS 2	1Q10	46	62	280	0.35	0.44	0.24	ND	1,500	ND
Dilution factor for Nitrate and Methane 5, TDS 20	2Q10	240	36	ND	ND	0.24	0.24	ND	140	ND
Dilution factor for Nitrate 5, Methane 100	3Q10	100	70	490	ND	0.61	0.29	7.7	4.900	ND
Dilution for Methane 100, Nitrate and Sulfate 5	4Q10	44	58	200	ND	0.27	0.15	ND	1,800	ND
Dilution for Methane 50, Nitrate and Sulfate 5	1Q11	57	31	500	0.089	0.35	0.18	ND	2,000	ND
MW-25R	2Q06	1,100	18.8	340	ND	0.24 J	ND	2.9 J	140	ND
	3Q06	>5700	279	329	ND	0.24 J	0.14	3.3 J	30	ND
	4Q06	1,000	16.8	331	ND	ND	ND	6.2	25	ND
	1Q07	240	49	300	ND	0.12	ND	ND	29	ND
	2Q07	>5700	100	340	ND	0.15	ND	5.9	33	ND
										ND
	2Q07D	>5700	100	350	ND	0.11	ND	6.4	32	IND
	2Q07D 3Q07	>5700	10	350 260	ND	ND	ND	14	ND	ND
	2Q07D 3Q07 4Q07	>5700 FS	10 490	260 380	ND ND	ND 0.41	ND 0.43	14 10	ND ND	ND ND
	2Q07D 3Q07	>5700	10 490 140	260 380 360	ND	ND	ND	14	ND	ND
	2Q07D 3Q07 4Q07	>5700 FS	10 490	260 380	ND ND	ND 0.41	ND 0.43	14 10	ND ND	ND ND
	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08	>5700 FS >5700 >5700 ND	10 490 140	260 380 360 330 380	ND ND ND ND	ND 0.41 0.13	ND 0.43 0.17	14 10 5.4 ND ND	ND ND 55 130	ND ND ND
	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08	>5700 FS >5700 >5700 ND >5700	10 490 140 200 68 ND	260 380 360 330 380 243	ND ND ND ND ND	ND 0.41 0.13 0.15 0.14 ND	ND 0.43 0.17 0.23	14 10 5.4 ND ND 16	ND ND 55 130	ND ND ND
	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09	>5700 FS >5700 >5700 ND >5700 1,500	10 490 140 200 68 ND 36.8	260 380 360 330 380 243 344	ND ND ND ND ND ND	ND 0.41 0.13 0.15 0.14 ND ND	ND 0.43 0.17 0.23 ND ND ND	14 10 5.4 ND ND 16 36.5	ND ND 55 130 12 3.5 J 57	ND ND ND ND
	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09	>5700 FS >5700 >5700 ND >5700 1,500 >5700	10 490 140 200 68 ND 36.8 98.8	260 380 360 330 380 243 344 362	ND ND ND ND ND ND ND	ND 0.41 0.13 0.15 0.14 ND ND	ND 0.43 0.17 0.23 ND ND ND	14 10 5.4 ND ND 16 36.5 9.4	ND ND 55 130 12 3.5 J 57 7.6 J	ND ND ND ND ND ND
	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09	>5700 FS >5700 >5700 ND >5700 1,500 >5700 2,100	10 490 140 200 68 ND 36.8 98.8 32.4	260 380 360 330 380 243 344 362 412	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND	ND 0.43 0.17 0.23 ND ND ND ND	14 10 5.4 ND ND 16 36.5	ND ND 55 130 12 3.5 J 57 7.6 J	ND ND ND ND ND ND
	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	>5700 FS >5700 >5700 ND >5700 1,500 >5700 2,100 1,600	10 490 140 200 68 ND 36.8 98.8 32.4	260 380 360 330 380 243 344 362 412	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND ND ND O.42 J	ND 0.43 0.17 0.23 ND ND ND ND ND	14 10 5.4 ND ND 16 36.5 9.4 8.5	ND ND 55 130 12 3.5 J 57 7.6 J 100 30	ND N
Dilution factor for Nitrate 5, TDS 2	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09	>5700 FS >5700 >5700 ND >5700 1.500 >5700 2,100 1.600 580	10 490 140 200 68 ND 36.8 98.8 32.4 160	260 380 360 330 380 243 344 362 412 198 430	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND ND 0.42 J 0.18	ND 0.43 0.17 0.23 ND ND ND ND ND ND ND ND	14 10 5.4 ND ND 16 36.5 9.4 8.5	ND ND 55 130 12 3.5 J 57 7.6 J 100 30 41	ND N
Dilution factor for Nitrate 5, TDS 2 Dilution factor for Nitrate 5, TDS 20, TSS 4	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	>5700 FS >5700 >5700 ND >5700 1,500 >5700 2,100 1,600	10 490 140 200 68 ND 36.8 98.8 32.4	260 380 360 330 380 243 344 362 412	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND ND ND O.42 J	ND 0.43 0.17 0.23 ND ND ND ND ND	14 10 5.4 ND ND 16 36.5 9.4 8.5	ND ND 55 130 12 3.5 J 57 7.6 J 100 30	ND N
	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10	>5700 FS >5700 S7700 ND >57700 1,500 >57700 2,100 1,600 580 1,7700 3,800	10 490 140 200 68 ND 36.8 98.8 32.4 160 95 160 65	260 380 360 330 380 243 344 362 412 198 430 ND 650	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND 0.42 J 0.18 0.068 0.11	ND 0.43 0.17 0.23 ND	14 10 5.4 ND ND 16 36.5 9.4 8.5 12 6.9 1.4	ND ND S5 130 12 3.5 J 57 7.6 J 100 30 41 36 1.5	ND N
Dilution factor for Nitrate 5, TDS 20, TSS 4	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10 4Q10	>5700 FS >5700 ND >5700 1,500 1,500 2,100 1,600 580 1,700 3,800 920	10 490 140 200 68 ND 36.8 98.8 32.4 160 95 160 65 22	260 380 360 330 380 243 344 362 412 198 430 ND 650 350	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND ND 0.42 J 0.18 0.068 0.11 0.099	ND 0.43 0.17 0.23 ND	14 10 5.4 ND ND 16 36.5 9.4 8.5 12 6.9 1.4 30	ND ND 55 130 12 3.5 J 57 7.6 J 100 30 41 36 1.5 8.5	ND N
Dilution factor for Nitrate 5, TDS 20, TSS 4 Dilution factor for Nitrate 5	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10	>5700 FS >5700 S7700 ND >57700 1,500 >57700 2,100 1,600 580 1,7700 3,800	10 490 140 200 68 ND 36.8 98.8 32.4 160 95 160 65	260 380 360 330 380 243 344 362 412 198 430 ND 650	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND 0.42 J 0.18 0.068 0.11	ND 0.43 0.17 0.23 ND	14 10 5.4 ND ND 16 36.5 9.4 8.5 12 6.9 1.4	ND ND S5 130 12 3.5 J 57 7.6 J 100 30 41 36 1.5	ND N
Dilution factor for Nitrate 5, TDS 20, TSS 4 Dilution factor for Nitrate 5 Dilution factor for Nitrate and Sulfate 5 Dilution factor for Nitrate and Sulfate 5	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10 4Q10 1Q11	>5700 FS >5700 SF >5700 ND >5700 1,500 >5700 2,100 1,600 1,600 1,700 3,800 920 6,400	10 490 140 200 68 ND 36.8 98.8 32.4 160 95 160 65 22	260 380 360 330 380 243 344 362 412 198 430 ND 650 350 420	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND 0.42 J 0.18 0.068 0.11 0.099	ND 0.43 0.17 0.23 ND	14 10 ND ND 16 36,5 9,4 8,5 12 6,9 1,4 30 13	ND ND 55 130 12 3.5 J 57 7.6 J 100 30 41 36 1.5 8.5 36.0	ND N
Dilution factor for Nitrate 5, TDS 20, TSS 4 Dilution factor for Nitrate 5 Dilution factor for Nitrate and Sulfate 5	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10 4Q10 1Q11	>5700 FS >5700 S7700 ND >57700 ND >57700 1,500 >57700 2,100 1,600 580 1,7700 3,800 920 6,400 NR	10 490 140 200 68 ND 36.8 98.8 32.4 160 95 160 65 22 23	260 380 360 330 380 243 344 362 412 198 430 ND 650 350 420	ND	ND 0.41 0.13 0.15 0.14 ND ND ND 0.42 J 0.18 0.068 0.11 0.099 0.16	ND 0.43 0.17 0.23 ND	14 10 ND ND 16 36.5 9.4 8.5 12 6.9 1.4 30 13 43.3	ND ND S5 130 12 3.5 J 57 7.6 J 100 30 41 36 1.5 8.5 36.0	ND N
Dilution factor for Nitrate 5, TDS 20, TSS 4 Dilution factor for Nitrate 5 Dilution factor for Nitrate and Sulfate 5 Dilution factor for Nitrate and Sulfate 5	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10 4Q10 1Q11	>5700 FS >5700 ND >5700 ND >5700 1,500 2,100 1,600 580 1,700 3,800 920 6,400 NR >5700	10 490 140 200 68 ND 36.8 98.8 32.4 160 95 160 65 22	260 380 360 330 380 243 344 362 412 198 430 ND 650 350 420	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND 0.42 J 0.18 0.068 0.11 0.099	ND 0.43 0.17 0.23 ND	14 10 ND ND 16 36,5 9,4 8,5 12 6,9 1,4 30 13	ND ND 55 130 12 3.5 J 57 7.6 J 100 30 41 36 1.5 8.5 36.0	ND N
Dilution factor for Nitrate 5, TDS 20, TSS 4 Dilution factor for Nitrate 5 Dilution factor for Nitrate and Sulfate 5 Dilution factor for Nitrate and Sulfate 5	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10 4Q10 1Q11 2Q10 3Q10 4Q10 4Q10 1Q11	>5700 FS >5700 S700 ND >5700 1,500 >5700 2,100 1,600 580 1,700 3,800 920 6,400 NR >5700 NR >5700 >5700	10 490 140 200 68 ND 36.8 98.8 32.4 160 65 22 23 5180 3850 166	260 380 380 380 380 380 243 444 362 412 198 430 ND 650 350 420 630 798	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND 0.42 J 0.18 0.068 0.11 0.099 0.16 0.26 J ND ND	ND 0.43 0.17 0.23 ND	14 10 10 ND ND 16 36.5 9.4 8.5 12 6.9 1.4 30 13 15	ND ND S5 130 12 3.5 J 57 7.6 J 100 30 41 36 1.5 8.5 36.0	ND N
Dilution factor for Nitrate 5, TDS 20, TSS 4 Dilution factor for Nitrate 5 Dilution factor for Nitrate and Sulfate 5 Dilution factor for Nitrate and Sulfate 5	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10 4Q10 1Q11 2Q10 3Q10 4Q10 1Q11	>5700 FS >5700 SF >5700 ND >5700 ND >5700 1,500 >5700 2,100 1,600 1,600 3,800 920 6,400 NR NR >5700 >5700 >5700 >5700 >5700	10 490 140 200 68 ND 36.8 98.8 32.4 160 95 160 65 22 23 5180 3850 580	260 380 360 380 380 380 243 344 362 412 198 430 ND 650 350 420 630 788 753	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND 0.42 J 0.18 0.068 0.11 0.099 0.16 0.26 J ND	ND 0.43 0.17 0.23 ND	14 10 ND ND 16 36.5 9.4 8.5 12 6.9 1.4 30 13 15 43.3 108 91	ND ND ND 55 130 12 3.5 J 57 7.6 J 100 30 41 36 1.5 8.5 36.0 20 3.7 J 2.3 J ND	ND N
Dilution factor for Nitrate 5, TDS 20, TSS 4 Dilution factor for Nitrate 5 Dilution factor for Nitrate and Sulfate 5 Dilution factor for Nitrate and Sulfate 5	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10 4Q10 1Q11 2Q10 3Q10 4Q10 4Q10 1Q11	>5700 FS >5700 FS >5700 ND >5700 ND >5700 1,500 2,100 1,600 580 1,700 3,800 920 6,400 NR >5700 >5700 >5700 >5700 >5700 >5700 >5700 >5700 >5700 >5700	10 490 140 200 68 ND 36.8 98.8 32.4 160 95 160 65 22 23 5180 3850 166 580 48	260 380 360 380 330 380 243 344 362 412 198 430 ND 650 350 420 630 788 753 650 640	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND 0.42 J 0.18 0.068 0.11 0.099 0.16	ND 0.43 0.17 0.23 ND	14 10 ND ND 16 36.5 9.4 8.5 12 6.9 1.4 30 13 15 43.3 108 116 91	ND ND S5 130 12 3.5 J 57 7.6 J 100 30 41 36 1.5 8.5 36.0	ND N
Dilution factor for Nitrate 5, TDS 20, TSS 4 Dilution factor for Nitrate 5 Dilution factor for Nitrate and Sulfate 5 Dilution factor for Nitrate and Sulfate 5	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10 4Q10 1Q11 2Q10 1Q11 1Q11 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07	>5700 FS >5700 S700 S700 ND >5700 ND >5700 1,500 >5700 2,100 1,600 580 1,700 3,800 920 6,400 NR >5700 >5700 >5700 >5700 >5700 >5700 >5700 >5700 270	10 490 140 200 68 ND 36.8 98.8 32.4 160 65 22 23 5180 3850 166 580 48	260 380 380 380 380 380 243 344 362 412 198 430 ND 650 420 630 798 753 650 640 630	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND 0.18 0.068 0.11 0.099 0.16 0.26 J ND ND ND ND ND ND ND ND ND ND	ND 0.43 0.17 0.23 ND 0.14 0.20 ND	14 10 10 10 16 36.5 9.4 8.5 12 6.9 1.4 30 15 43.3 108 116 91 97 84	ND ND ND S55 130 122 3.5 J 57 7.6 J 100 30 41 36 1.5 8.5 36.0 20 3.7 J 2.3 J ND ND ND ND	ND N
Dilution factor for Nitrate 5, TDS 20, TSS 4 Dilution factor for Nitrate 5 Dilution factor for Nitrate and Sulfate 5 Dilution factor for Nitrate and Sulfate 5	2Q07D 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 1Q10 2Q10 3Q10 4Q10 1Q11 2Q10 3Q10 4Q10 4Q10 1Q11	>5700 FS >5700 FS >5700 ND >5700 ND >5700 1,500 2,100 1,600 580 1,700 3,800 920 6,400 NR >5700 >5700 >5700 >5700 >5700 >5700 >5700 >5700 >5700 >5700	10 490 140 200 68 ND 36.8 98.8 32.4 160 95 160 65 22 23 5180 3850 166 580 48	260 380 360 380 330 380 243 344 362 412 198 430 ND 650 350 420 630 788 753 650 640	ND N	ND 0.41 0.13 0.15 0.14 ND ND ND 0.42 J 0.18 0.068 0.11 0.099 0.16	ND 0.43 0.17 0.23 ND	14 10 ND ND 16 36.5 9.4 8.5 12 6.9 1.4 30 13 15 43.3 108 116 91	ND ND S5 130 12 3.5 J 57 7.6 J 100 30 41 36 1.5 8.5 36.0	ND N

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY CLASS IIA	STANDARDS	NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005(2)
	2Q08	>5700	770	490	0.19	ND	0.91	67	ND	ND
Dilution factor for Phosphorus 5	3Q08	560	1,400	620	ND	0.14	17	61	11	ND
	4Q08	390	66.4	571	0.2	ND	.085 J	68.8	ND	ND
	1Q09	190	1,200	517	0.55	ND	0.27	62.5	ND	0.0283
	2Q09	81	253	454	0.96	ND	ND	52.6	ND	ND
	3Q09	8	684	482	0.38	ND	ND	43.9	ND	ND
Dilution factor for Nitrate 5	4Q09 1Q10	23 18	300 64	721 600	0.5	ND 0.1	ND 0.089	47.9 54	ND ND	ND ND
Dilution factor for Nitrate 5, TDS 20	2010	30	32	400	1.1	ND	ND	49	ND	ND
Dilution factor for Nitrate 5	3Q10	70	28	1100	0.29	ND	0.094	42	ND	ND
Dilution factor for Nitrate and Sulfate 5	4Q10	12	7	680	1.1	ND	ND	49	ND	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	2,000	14	500	2.7	0.032	ND	38	ND	ND
MW-28s	2Q06	6	35.2	350	ND	0.35 J	0.25	2.6 J	3,100	ND
Dilution factor for Methane 200	3Q06	1,300	22	460	ND	0.26 J	0.37	ND ND	3,200	ND
Dilution factor for Methane 200	3Q06D	1,500	22	468	ND	ND	0.37	1.7J	3,100	ND
Dilution factor for Methane 100	4Q06	1	25	347	ND	ND	0.43	2.0 J	4,400	ND
	1Q07	460	180	350	ND	ND	0.42	ND	170	ND
	1Q07D	230	93	360	ND	ND	0.43	ND	810	0.0051
Dilution factor for Methane 10	2Q07	78	49	400	ND	0.14	0.34	ND	1,600	ND
Dilution factor for Methane 4	3Q07	ND	50	350	ND	ND 0.40	0.34	ND	1,100	ND
Dillution for Methane is 40	4Q07 1Q08	320	42	330	ND	0.19	0.38	ND	1,900	ND
Dilution for Methane is 10	1Q08 2Q08	80 11	31 44	250 360	ND ND	0.14	0.36 ND	ND ND	570 1,400	ND ND
Dilution factor for Methane 4	3Q08	ND	52	340	ND	0.19	0.4	ND	1,400	0.0056
Dilution factor for Methane 20	4Q08	82	23.6	321	ND	ND	0.31	2.3 J	1,800	ND
Dilution factor for Methane 200	1Q09	9	38.4	356	ND	0.27 J	0.32	ND	5,000	ND
Dilution factor for Methane 5	2Q09	530	6.0 J	327	ND	ND	0.24	5.8	1,000	ND
Dilution factor for Methane 50	3Q09	2	28.8	679	ND	0.36 J	0.26	ND	5,200	ND
Dilution factor for Methane 2	4Q09	54	17.2	408	ND	ND	0.16	4.2 J	460	ND
Dilution factor for Nitrate 5, TDS & TSS 2, Methane 50	1Q10	240	24.0	330	0.34	0.22	0.4	ND	2,100	ND
Dilution factor for Nitrate 5, TDS 2, Methane 50	1Q10D	210	ND	330	ND	0.21	0.4	ND	2,100	ND
Dilution for Methane 100, TSS & TDS 2, Nitrate 5	2Q10	71	18	240	ND	0.10	0.40	1.1	1,600	ND
Dilution for Methane 50, Nitrate 5	3Q10	42	21	510	ND	0.20	0.35	5.2	900	ND
Dilution for Methane 50, Nitrate 5	3Q10D	44	19	440	ND	0.19	0.37	5.4	910	ND
Dilution factor for Nitrate and Sulfate 5	4Q10	1,200	19	430	ND	0.34	0.36	ND	1,200	ND
Dilution factor for Nitrate and Sulfate 5, Methane 50	1Q11	360	20	370	ND	0.22	0.38	2.6	1,700	ND
Dilution factor for Nitrate and Sulfate 5, Methane 50	1Q11D	300	15	420	ND	0.22	0.37	ND	1,600	ND
MW-28i										
Dilution factor for Methane 10	2Q06	290	28	367	0.047 J	ND	0.22	2.2 J	1.900	ND
Dilution factor for Methane 100	3Q06	>5,700	42.8	338	ND	ND	0.19	3.5 J	1,500	ND
Dilution factor for Methane 100	4Q06	440	15.6	335	ND	ND	0.22	3.0 J	1,500	ND
	1Q07	110	34	380	0.1	0.2	0.35	ND	410	ND
Dilution factor for Methane 4	2Q07	24	23	330	ND	0.27	0.29	ND	710	ND
	3Q07	37	37	300	ND	0.28	0.27	ND	560	ND
	4Q07	160	34	360	ND	0.47	0.64	5.1	370	ND
	1Q08	ND 47	25	290	ND	0.37	0.29	ND	170	ND
Dilution factor for Methane 10	2Q08	17 51	38 29	560	ND ND	0.31	0.23	ND	870	ND
Dilution factor for Methane 5	3Q08 4Q08	24	20.8	360	ND	0.25 0.54 J	280 0.23	ND 6.7	410 500	ND
Dilution factor for Methane 10	1Q09	3	31.6	399	ND	.42 J	0.23	ND	1,800	ND ND
Dilution factor for Methane 10	1Q09D	4	35.2	415	ND	0.54 J	0.26	ND ND	1,700	ND
	2Q09	89	13.6	351	ND	ND	0.22	7.7	110	ND
Dilution factor for Methane 10	3Q09	ND	20	542	ND	1.1	0.21	2.6 J	2,100	ND
	4Q09	4	18	445	ND	0.38 J	0.11	7.8	190	ND
	4Q09D	4	19.6	417	ND	0.47 J	0.13	7.8	180	ND
Dilution factor for Nitrate 5, TDS & TSS 2, Methane 50	1Q10	10	40	470	ND	0.49	0.34	0.96	1,400	ND
Dilution for Methane 100, TSS & TDS 2, Nitrate 5	2Q10	8	16	260	ND	0.21	0.32	2.1	800	ND
Dilution for Methane 100, TSS & TDS 2, Nitrate 5	3Q10	5.5	23	420	ND	0.33	0.29	8.5	210	ND
Dilution factor for Nitrate and Sulfate 5	4Q10	6.0	26	470	ND	0.55	0.32	2.7	620	ND
Dilution factor for Nitrate and Sulfate 5, Methane 20	1Q11	5.0	15	430	ND	0.42	0.29	5.8	500	ND
MW/ 20e	2000	250	F0 0	E04	NID	44.0	0.45	40.	1 200	ME
MW-29s Dilution factor for Methane 250	2Q06 3Q06	250 >5700	58.8 54	504 546	ND ND	11.9 9.9	0.45	4.0 J 1.9 J	1,200 5,000	ND ND
Dilution factor for Methane 250 Dilution factor for Methane 100	4Q06	190	35.6	509	ND	8.3	0.32	3.9 J	5,000	ND ND
SHOULD HEALTH TOU	1007	30	41	510	0.14	7.5	0.29	ND ND	450	0.0084
Dilution factor for Methane 4	2Q07	150	56	490	ND	8.3	0.29	ND ND	1,000	ND
Dilution factor for Methane 10	3Q07	1,900	54	520	ND	8.1	0.4	ND	2,500	ND
Dillution for Methane 10	4Q07	FS	66	500	ND	9.3	0.44	ND	3,100	0.014
Dillution for Lead 5	1Q08	93	60	510	ND	7.5	0.34	ND	2,000	ND
Dillution for Lead 5	1Q08D	120	38	510	ND	7.6	0.35	ND	1,800	ND
Dilution for Methane 10	2Q08	65	40	490	ND	8.2	0.3	ND	2,100	ND
Dilution factor for Methane 4	3Q08	130	20	460	ND	7.7	0.41	ND	1,700	ND
Dilution factor for Methane 50	4Q08	52	37.2	455	ND	7.2	0.35	ND	4,400	ND
Dilution factor for Methane 50	4Q08D	56	41.6	462	ND	7.2	0.34	ND	4,600	ND
Dilution factor for Methane 200	1Q09	1,600	58.8	425	ND	7.2	0.32	3.0 J	6,100	ND
Dilution factor for Methane 50	2Q09	200	58	464	ND	5.8	0.28	7.3	4,000	ND
Dillution factor for Methane 100	3Q09	21	47.2	542	ND	7.5	0.31	3.3 J	4,800	ND
Dillution factor for Methane 20	4Q09	3	39	436	ND	8.9	0.25	ND	5,800	ND

TABLE 3

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring - MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolve Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY CLASS IIA	STANDARDS	NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005(2)
Dilution for Methane 50; TSS & TDS 2, Nitrate and Ammonia 5	1Q10	110	62	440	0.36	6.4	0.38	2.1	2,800	ND
Dillution factor for Methane 100, TDS 20, TSS 4, Nitrate 5	2Q10	110	46	440	ND	4.2	0.39	1.5	6,200	ND
Dillution for Methane 100, Ammonia & Nitrate 5	3Q10	15	45	510	ND	8.9	0.37	7.0	1,800	ND
Dilution for Methane 100, nitrate and sulfate 5, Ammonia	4Q10	23	27	420	ND	10	0.41	2.7	4,300	ND
Dilution factor for Nitrate and Sulfate 5	1Q11	470	15	540	0.093	4.3	ND	4.1	1,800	ND
MW-30s	2Q06	2,200	75.6	348	ND	0.86	0.17	5.2	3,800	ND
Dilution factor for Methane 200	3Q06	>5700	132	457	ND	0.89	0.32	ND	2,500	ND
Dilution factor for Methane 100	4Q06	>5700	147	448	ND	1.1	0.24	5.5	6,500	ND
Dilution factor for Methane 10	2Q07	>5700	650	350	ND	0.94	1.6	ND	1,800	ND
Dilution factor for Methane 4	3Q07	>5700	220	440	ND	1	0.34	ND	1,700	ND
Dilution factor for Methane 4	3Q07D	>5700	180	400	ND	1.1	0.33	ND	1,500	ND
Dilution factor for Methane 10 Dilution factor for Methane 4	4Q07 1Q08	>5700	120	520	ND ND	0.97	0.22	ND ND	1,900	ND ND
Dilution factor for Methane 10	2Q08	>5700	36	320	ND	0.93	0.26	ND	1,700	ND
Dilution factor for Methane 4	3Q08	ND ND	36	390	ND	2.60	0.29	ND	1,800	ND
Dilution factor for Methane 50	4Q08	2,300	18	401	ND	1.30	0.19	ND	4,100	ND
	1Q09	NS-frozen		NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-froze
Dilution factor for Methane 20	2Q09	210	40	464	ND	1.3	0.14	2.0 J	3,700	ND
Dilution factor for Methane 50	3Q09	720	38.8	461	ND	1.6	0.21	ND	4,200	ND
Dilution factor for Methane 20	4Q09	720	33.2	457	ND	1.3	ND	ND	4,400	ND
	1Q10	NS-frozen		NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-froze
Dilution for Methane 200, TSS & TDS 2, Nitrate 5	2Q10D	2,700	50	470	ND	0.93	0.26	ND	3,300	ND
Dilution for Methane 100, TSS & TDS 2, Nitrate 5	2Q10 3Q10	12,000	48	440	ND	0.91	0.26	ND 4.9	3,200	ND ND
Dilution for Methane 100, Nitrate 5 Dilution factor for Nitrate and Sulfatae 5	4Q10	3,600	46	480 460	ND	1.0	0.32	ND	1,600 4,200	ND
Dilution factor for Nitrate and Sulfatae 5 Dilution factor for Nitrate and Sulfatae 5	4Q10D	1.200	31	490	ND ND	1.2	0.24	ND	1,400	ND
Dilution factor for Nitrate and Sulfatae 5	1011	1,200	42	530	ND	0.038	0.26	5.5	1,600	ND
Dilution factor for Nitrate and Sulfatae 5	1011	1,200	42	550	IND	0.036	0.20	5.5	1,000	IND
MW-30i	2006	>5700	18.8	369	ND	1.8	0.15	8.2	1,100	ND
Dilution factor for Methane 100	3Q06	290	41.6	414	ND	0.83	0.23	3.2 J	1,200	ND
Dilution factor for Methane 50	4Q06	40	17.2	456	ND	0.89	0.24	11.1	930	ND
Dilution factor for Methane 50	4Q06D	43	41.2	478	ND	ND	0.23	11.1	930	ND
Dilution factor for Methane 4	2Q07	36	34	300	ND	0.8	0.31	ND	680	ND
	3Q07	ND	41	430	ND	1	0.33	ND	97	ND
	4Q07	470	69	530	ND	1.1	0.45	ND	ND	ND
	1Q08	2	33	410	ND	1.2	0.34	ND	370	ND
	2Q08	23	27	540	ND	1	ND	ND	510	ND
	2Q08D	16	26	300	ND	1	0.29	ND	560	ND
Dilution factor for Methane 4	3Q08	ND	31	390	ND ND	1.3	0.38	ND 4.4 J	790 400	ND ND
Dilution factor for Methane 5	4Q08 1Q09	6 NS-frozen	21.6	411 NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen		NS-froze
	2Q09	670	36.8	474	ND	1.3	0.19	5.9	270	ND
Dillution factor for Methane 2, Ammonia Nitrogen 2	3Q09	5	28.0	431	ND	1.3	0.26	4.3 J	660	ND
Dillution factor for Methane 2	3Q09D	6	24.8	444	ND	0.72	0.25	4.2 J	730	ND
	4Q09	13	24.0	448	ND	ND	0.14	6.1	170	ND
	1Q10	NS-frozen	NS-frozer	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-froze
Dilution for Methane 100, TSS & TDS 2, Nitrate 5	2Q10	130	42	460	ND	0.86	0.38	ND	2,100	ND
Dilution for Methane 50, Nitrate 5	3Q10	50	31	440	ND	1.1	0.39	5.6	640	ND
Dilution for Nitrate and Sulfate 5	4Q10	17	39	540	ND	1.1	0.35	5.1	65	ND
Dilution for Nitrate and Sulfate 5, Methane 10	1Q11	50	27	500	ND	ND	0.30	10.0	670	ND
MIM 20-1	2000	2 000	11.0	240	NO	0.20 1	NO	0.7	AE	NO
MW-30d	2Q06 3Q06	2,800 >5700	11.6 6.4 J	248 288	ND 0.043 J	0.30 J ND	ND ND	9.7	45 5	ND ND
	4Q06	>5700 47	5.6 J	375	0.043 J ND	ND ND	ND ND	12.5	22	ND ND
	2Q07	130	13	240	ND	0.11	ND	10	77	ND
	3Q07	78	9	260	ND	0.16	ND	11	ND	ND
	4Q07	FS	20	300	ND	0.24	0.11	11	ND	ND
	4Q07D	FS	20	270	ND	0.19	0.28	11	ND	ND
	1Q08	790	8	300	ND	0.12	ND	9.4	47	ND
	2Q08	420	12	370	ND	0.27	ND	5.3	140	ND
	3Q08	ND	9.2	280	ND	0.31	0.13	9.2	16	ND
	4Q08	40	9.2 J	309	ND	0.27 J	ND	12.7	ND	ND
	1Q09	NS-frozen	_	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen		NS-froz
	2Q09	75	9.2 J	324	0.046 J	ND	ND	14.3	5 J	ND
	3Q09	9	6.4 J	321	ND	ND	ND	14.8	60	ND
	4Q09	7	5.2 J	331	0.1	ND	ND	15	ND	ND
Dilution factor for Nitrate 5, Methane 4	1Q10	38	11	350	ND	0.12	0.05	10	90	ND
Dilution factor for Methane 2, Nitrate 5, TDS 10	2Q10	33	6.0	110	ND	0.079	0.051	8.7	71 ND	ND
Dilution factor for Nitrate 5	3Q10	8,300	15.0	300	ND 0.1	0.071	0.13	12	ND	ND
Dilution factor for Nitrate and Sulfate 5	4Q10 1Q11	56 250	7.0	500 330	0.1 ND	0.160 0.920	0.05 ND	14	ND 11	ND ND
Dilution factor for Nitrate and Sulfate 5	IUII	250	7.0	330	NU	0.920	NU	14		ND
MW-31s										
Dilution factor for Ammonia and Methane 10	2Q08	>5700	460	810	0.12	22	0.68	44	3,000	ND
Dilution factor for Ammonia and Methane 10	3Q08	ND	320	1900	ND	22	0.71	72	2,100	ND
Dilution factor for Sulfate 10 and Methane 50	4Q08	> 5700	11.5 J	502	ND	10.8	0.14	84.2	2,800	ND
Dilution factor for Methane 100	1Q09	620	35.2	629	ND	22.6	0.40	47.9	11,000	ND
7.7										

TABLE 3

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring - MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY CLASS IIA	STANDARDS	NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005(2)
Dilution factor for Sulfate and Methane 20	2Q09	> 5700	ND	556	0.056 J	6.4	ND	136	2,400	ND
Dillution factor for Methane 50	3Q09	6,800	36.80	576	ND	19.8	0.12	35.9	12,000	ND
Dillution factor for Sulfate 20, and Methane 20	4Q09	100,000	7.6 J	619	ND	9.1	ND	187.0	3,200	ND
Dilution factor for Nitrate 5, Ammonia 10, TSS 2, Methane 500	1Q10	230	54.00	600	ND	16.0	0.30	56.0	15,000	ND
Dilution for Methane 500, Ammonia 10, TDS 5, Nitrate		The second second				1				
5	2Q10	210,000	5.0	630	ND	12.0	0.26	36	13,000	ND
Dilution for Methane 250, Ammonia 10, Nitrate 5	3Q10	>30,000	11.0	920	ND	15.0	0.25	41	3,900	ND
Dilution factor for Nitrate 5, Sulfate 24, Methane 200 Dilution factor for Nitrate 5, Sulfate 5, Ammonia 10,	4Q10	>30000	23.0	430	ND	2.0	0.10	510	970	ND
Methane 200	1Q11	36,000	ND	620	ND	9.1	0.21	120	10,000	ND
MW-32s										
Dilution factor for Methane 10	2Q08	>5700	NS	3400	ND	2	14	8.6	4,800	ND
Dilution factor for Methane 10	3Q08	410	NS	650	ND	1.6	2.6	NS	2,900	ND
Dilution factor for Sulfate 20 and Methane 100	4Q08	> 5700	50	818	ND	1.6	0.11	200	5,400	ND
Dilution factor for Methane 200	1Q09	430	385	637	ND	0.69	ND	8.9	9,500	ND
Dilution factor for Sulfate 20 and Methane 100	2Q09	240	35.2	612	0.16	1.8	ND	122	6,900	ND
Dillution factor for Ammonia Nitrogen 3 and Methane 50	3Q09	290	113	620	ND	ND	ND	2.8 J	12,000	ND
Dillution factor for Methane 50	4Q09	5,200	208	691	ND	1.2	ND	47.9	7,300	ND
Dilution factor for Nitrate 5, TDS 2, Methane 400	1Q10	4,600	15	540	ND	0.53	0.13	4.7	13,000	ND
Dilution for Methane 200, TSS 2, TDS 20, Nitrate 5	2Q10	370	52	520	ND	0.085	0.14	11	11,000	ND
Dilution for Methane 200, Nitrate 5	3Q10	11,000	400	850	ND	0.40	0.17	12	5,100	ND
Dilution factor for Nitrate 5, Sulfate 100, Methane 200	4Q10	500,000	69	300	ND	0.54	0.29	460	2,100	ND
Dilution factor for Nitrate 5, Sulfate 5, Methane 200	1Q11	950	31	710	ND	0.35	0.17	120	8,700	ND
MW-33s	2022		200	0.10		-	0.17	_	0.000	0.511
Dilution factor for Methane 10	2Q08	>5700	220	310	ND	5	0.17	8	2,800	0.011
Dilution factor for Methane 100	3Q08	ND > 5700	250	380	ND	7	ND 0.13	10	2,000	ND
Dilution factor for Methane 100	4Q08	> 5700	51	358	ND	7.4	0.13	8.6	4,800	ND
Dilution factor for Methane 200 Dilution factor for Methane 50	1Q09	160 2.800	122 74	395 410	ND ND	ND 6.7	ND 0.31	68.1 4.8 J	9,600 8,400	ND ND
Dilution factor for Methane 50	2Q09	2,000	74	410	ND	0.7	0.31	4.0 J	0,400	
Dilution factor for Ammonia Nitrogen 2 and Methane 25	3Q09	1,200	181	610	ND	5.8	0.42	12.9	5,100	ND
Dilution factor for Methane 20	4Q09	670	85	518	ND	5.8	ND	7.2	3,200	ND
Dilution factor for TDS 2, Nitrate, & Ammonia 5, Methane 200	1Q10	6.700	ND	420	ND	7.2	0.06	6.2	6.900	ND
Dilution for Methane 200, TSS 2, TDS 20, Nitrate 5	2Q10	6,000	74	460	ND	4.0	0.098	9.3	6,100	ND
Dilution for Methane 200, Nitrate 5	3Q10	66,000	22	650	ND	4.3	0.130	18	540	ND
Dilution for Nitrate and Sulfate 5, Methane 100	4Q10	34,000	34	1400	ND	4.0	0.190	110	270	ND
Dilution for Nitrate and Sulfate 5, Methane 50	1Q11	21,000	23	750	ND	1.8	0.080	120	2,200	ND
MW-34s										
Dilution factor for Methane 10	2Q08	>5700	NS	490	ND	ND	ND	12	3,700	ND
Dilution factor for Methane 10	3Q08	ND	NS	NS	NS	ND	0.34	NS	2,800	NS
Dilution factor for Methane 5	4Q08	2,100	ND	693	0.53	0.35 J	ND	23.9	490	ND
Dilution for Ammonia Nitrogen 5, Methane 200	1Q09	NM	NS	NS	ND	ND	ND	NS	7,200	ND
Dilution factor for Methane 100	2Q09	NA 150	26.4	369	0.16	0.38 J	ND	8.7	8,600	ND
Dilution factor for Methane 50	3Q09	150	56.4	NS	ND	ND	ND	4.9 J	9,600	ND
Dilution factor for Methane 20	4Q09	45	293	462	ND	ND 242	ND	9.8	4,400	ND
Dilution factor for Nitrate 5, TDS 2, Methane 400	1Q10	9,300	27	400	ND	0.13	ND	2.8	9,200	ND
Dilution for Methane 200, TSS 2, TDS 10, Nitrate 5 Dilution for Methane 200	2Q10 3Q10	1,700 >30.000	20 NS-dry	370 NS-dry	ND NS-dry	ND 0.032	ND 0.084	2.8 NS-dry	8,700 3,100	ND ND
Dilution for Methane 200 Dilution factor for Nitrate 5, Sulfate 100	4Q10	8,700	NS-dry 24	180	0.23	0.032	ND	210	3,100 ND	ND ND
Dilution factor for Nitrate 5, Suifate 100 Dilution factor for Nitrate and Sulfate 5.Methane 10	1Q11	810	6	380	ND	0.14	ND ND	65	270	ND
Sindon rector for Private and Sunate 3, Wethane 10	10211	010	0	300	NU	0.13	IND	00	210	NU
MW-35s										
Dilution factor for Methane is 10	2008	>5700	2100	570	ND	1.8	ND	13	3.900	ND
Dilution factor for Methane is 10	3Q08	ND	85	520	ND	1.3	ND	ND	3,600	ND
Dilution factor for Methane 100	4Q08	> 5700	22.4 J	568	ND	2.9	0.16	20.6	12,000	ND
Dilution factor for Methane 200	1Q09	1,800	37.6	499	ND	0.8	.087 J	ND	20,000	ND
Dilution factor for Methane 200	2Q09	680	77.6	459	ND	1.1	0.19	9.4	20,000	ND
Dilution factor for Methane 100	3Q09	50	114.0	466	ND	1.4	0.25	ND	17,000	ND
Dilution factor for Methane 50	4Q09	1,100	26.8	508	ND	0.84	ND	17.1	8,400	ND
Dilution factor for Nitrate 5, TDS 2, Methane 1000	1Q10	680	ND	460	ND	0.24	0.08	0.9	17,000	ND
Dilution for Methane 400, TSS 2, TDS 20, Nitrate 5	2Q10	76	38	540	ND	0.081	0.079	ND	15,000	ND
Dilution for Methane 250, Nitrate 5	3Q10	170	35	570	ND	0.15	0.11	4.6	13,000	ND
Dilution factor for Nitrate and Sulfate 5, Methane 250	4Q10	5800	64	720	ND	0.78	0.09	24.0	4,200	ND
Dilution factor for Nitrate and Sulfate 5, Methane 200	1Q11	580	39	430	ND	0.11	0.10	2.7	9,200	ND
Atmospheric Blank	1Q05	> 5700	ND	ND	ND	ND	ND	ND	ND	NS
	4Q05	5	ND	10.0 J	ND	ND	ND	0.30 J	ND	NS
	1Q06	2	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	38	ND	ND	ND	ND	ND	1.5 J	ND	ND*
	3Q06	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q06	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	1	ND	ND	ND	ND	ND	ND	22	ND*
	2Q07	ND	ND	19	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND 0.16	ND	ND	ND	ND*
	4Q07 1Q08	ND ND	ND ND	ND ND	ND ND	0.16	ND ND	ND ND	ND ND	ND*
	1Q08 2Q08		ND			0.16 ND				ND*
		ND		ND	ND	ND 0.16	ND	ND	ND	0.0051*
	3Q08	ND	ND	ND	ND	0.16	ND	ND	ND	ND*

TABLE 3

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring - MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY CLASS IIA	STANDARDS	NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005(2)
	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q09	ND	ND	ND	ND	ND ND	ND	ND	ND	ND*
	4Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q10	ND	11	ND	0.35	ND	ND	ND	ND	ND*
Dilution factor for Nitrate, Lead, and TDS 5	2Q10	ND	ND	ND	ND	ND ND	ND	ND	ND	ND*
Dilution factor for Nitrate and Lead 5 Dilution factor for Lead, Nitrate and Sulfate 5	3Q10 4Q10	ND 2.5	ND ND	ND 15	ND ND	ND ND	ND ND	ND ND	ND ND	ND*
Dilution factor for Lead, Nitrate and Sulfate 5	1Q11	ND ND	ND	ND ND	ND ND	0.042	ND ND	ND	ND ND	ND*
			,,,,,					,,,,,	1,5	.,,,,,
Rinsate Blank	1Q05	36	ND	ND	ND	ND	ND	ND	ND	NS
	3Q05	ND	ND	ND	ND	ND	ND	ND	ND	NS
	4Q05	ND	ND	ND	ND	ND	ND	ND	ND	NS
	1Q06	ND	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	120	DA	ND	ND	ND	ND	ND	ND	ND*
	2Q06	250	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	45	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	84	ND	ND	ND ND	ND	ND	ND	ND	ND*
	4Q06	56	D	ND	ND	ND	ND	ND	ND	ND*
	1Q07	ND ND	ND	ND	ND	ND	ND ND	ND	ND	ND*
	1Q07	ND	DD	ND 0.5	ND	ND	ND	ND	ND	ND*
	2Q07 2Q07	1	ND ND	2.5 ND	ND	ND ND	ND ND	ND	ND	ND*
	3Q07	2 ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND*
	3007	ND ND	ND	ND	ND ND	ND	ND ND	ND	ND ND	ND*
	4Q07	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND*
	4007	ND ND	ND	11	0.17	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	0.15	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-03	4Q08	ND	ND	ND	ND	ND	ND	ND	QN	ND*
RB-02	1Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-03	1Q09	26	ND	ND	ND	ND	ND	ND	ND	ND*
RB-01	2Q09	1	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	2Q09	ND ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-01	3Q09	32	ND	ND	ND ND	ND	ND	ND	ND	ND*
R8-02	3Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	4Q09 1Q10	ND 1	ND 24	ND ND	ND ND	ND ND	ND ND	ND 0.66	ND ND	ND*
RB-02 Ditution for Nitrate 5, TSS 2 RB-02 Ditution for Nitrate 5, TDS 2	2Q10	ND 1	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND*
RB-02 Dilution for Natrate 5, TDS 2	3Q10	1	ND ND	110	ND	ND ND	ND ND	ND ND	2.7	ND*
RB-02 Dilution for Lead & Nitrate 5 RB-02 Dilution factor for Lead, Nitrate, Sulfate 5	4Q10	ND	ND	120	ND ND	ND	ND ND	ND ND	ND	ND*
RB-03 Dilution factor for Lead, Nitrate and Sulfate 5	4Q10 4Q10	ND ND	ND	220	ND ND	0.013	ND ND	ND	ND	ND*
RB-02 Dilution factor for Lead, Nitrate and Sulfate 5	1Q11	ND ND	ND	ND	ND	0.045	ND	ND	ND ND	ND*
RB-03 Dilution factor for Lead, Nitrate and Sulfate 6	1011	5.5	11	ND	ND	0.048	ND	ND	ND	ND*
			· · ·						.,,,,	
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Notes:

As mentioned in January 13, 2005 letter, only the MW-19 Hotspot wells will be sampled for MNA parameters due to the implementation of Source Reduction on the L.E. Carpenter property effective 1Q05.

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

- (1) Sulfate results reported through 4Q06, and starting again in 4Q08, have a dilution factor of 5, except for blank samples or unless otherwise noted. Sulfate results reported from 1Q07 through 3Q08 have no dilution factor for sulfate unless noted otherwise.
- (2) NJ CLASS IIA GWQC, NJ SWQC [FW2] and PQL are for Total Lead
- (3) MW-19 area monitoring wells were abandoned in 4Q2009. Therefore, MW-19 area wells have not been sampled for MNA parameters since 1Q10. MNA monitoring will continue following the installation of the USEPA approved post excavation monitoring well network.

Legend: NCS: No Criteria Specified by NJDEP

NS = Not Sampled

FS= Samples frozen in transit to lab.

ND = Not Detected

NA = Not Analyzed, due to lack of recharge water

Concentration exceeds NJGWQS

- Lower Grab Sample
- Upper Grab Sample
- * Total Lead

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring - MNA Field Data

MW-19 1Q04	NS 10.97 0.1 0.2 1 1 1 5.34 3.53 4.92 0.34 0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 NS 10.16 1 1 1	NS 7.23 7.62 7.67 7.84 7.69 7.03 6.47 6.59 7.66 7.08 6.53 6.59 6.69 6.36 6.4 6.12 6.42	NS 24 -10 100 NM NM NM 185 87 -50 -43 -24 -76.7 -90.3 -56 -94 5 111.7 68.4 -30 -28.2 0.5	NS 890 1179 590 734 760 1920 1005 978 905 761 579 444 1640 1201 865 214.2 1,068 1,150	NS 2 2 5 10 10 9 4 13 9 5 7 5 2.5 2 5.1 5 6.66 7	NS 13.94 16.18 11.82 8.6 8.46 15.86 15.01 8.72 13.98 16.2 15.36 10.38 13.7 17.05 12.54 8.55 10.55 13.94	NS NM <10 9 0.3 0.4 >10 >10 >10 >10 >10 >10 >20 >20 >20 >20 0.1 >10 >20 >20	NS 160 200 241 ⁽¹⁾ 30 29 110 110 11 225 100 275 250 100 200 225 40 125 140	NS 70 95 121 <10 <10 60 18 >100 60 90 70 35 120 80 40 14 130 50
3Q04 1Q05 2Q05 ^L 2Q05 ^U 3Q05 3Q06 1Q06 1Q06 2Q06 3Q06 3Q06 1Q07 2Q07 3Q07 1Q08 2Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 2Q05 ^L 2Q05 ^U 3Q05 1Q06 3Q06 4Q06 3Q06 4Q06 3Q06 4Q06 3Q06 4Q06 1Q07 1Q08 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6R 4Q10 1Q09 2Q09 3Q09 3Q09 MW-19-6R 4Q10 1Q05 2Q05 ^L 2Q05 ^U 3Q06 3Q06 4Q06 3Q06 4Q06 1Q07 1Q08 2Q09 3Q09 1Q09 3Q09	0.1 0.2 1 1 1 1 5.34 3.53 4.92 0.34 0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.09 2.56 NS 10.16 1	7.62 7.67 7.84 7.69 7.03 6.47 6.59 7.66 7.08 6.53 6.59 6.69 6.36 6.4 6.42 7.02 6.91	-10 100 NM NM 185 87 -50 -43 -24 -76.7 -90.3 -56 -94 5 111.7 68.4 -30	1179 590 734 760 1920 1005 978 905 761 579 444 1640 1201 865 214.2 1,068 1,150	2 5 10 10 9 4 13 9 5 7 5 2.5 2 5.1 5	16.18 11.82 8.6 8.46 15.86 15.01 8.72 13.98 16.2 15.36 10.38 13.7 17.05 12.54 8.55 10.55	<10 9 0.3 0.4 >10 >10 >10 >10 >10 >10 20 >20 >20 >20 >20 0.1 >10	200 241 ⁽¹⁾ 30 29 110 110 11 225 100 275 250 100 200 225 40 125	95 121 <10 <10 60 18 >100 60 90 70 35 120 80 40 14
1Q05 2Q05 ^L 2Q05 ^U 3Q05 3Q05 4Q05 1Q06 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 3Q07 4Q07 1Q08 2Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 2Q05 ^U 3Q05 2Q05 ^U 3Q05 4Q06 3Q06 4Q06 3Q06 4Q06 1Q07 2Q07 3Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 4Q08 1Q09 4Q07 1Q08 2Q09 3Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6R 4Q10 1Q01 1Q01 1Q01 1Q09 2Q09 3Q09 3Q09 MW-19-6R 4Q10 1Q01 1Q01 1Q01 1Q01 1Q01 1Q01 1Q01	0.2 1 1 1 5.34 3.53 4.92 0.34 0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.92 2.56 NS 10.16	7.67 7.84 7.69 7.03 6.47 6.59 7.66 7.08 6.53 6.59 6.69 6.36 6.4 6.12 6.42 7.02 6.91	100 NM NM 185 87 -50 -43 -24 -76.7 -90.3 -91 5 111.7 68.4 -30	590 734 760 1920 1005 978 905 761 579 444 1640 1201 865 214.2 1,068 1,150	5 10 10 9 4 13 9 5 7 5 2.5 2 5.1 5	11.82 8.6 8.46 15.86 15.01 8.72 13.98 16.2 15.36 10.38 13.7 17.05 12.54 8.55 10.55	9 0.3 0.4 >10 >10 >10 >10 >10 20 >20 >20 >20 0.1 >10	241 ⁽¹⁾ 30 29 110 110 111 225 100 275 250 100 200 225 40 125	121 <10 <10 60 18 >100 60 90 70 35 120 80 40 14
2Q05 ^L 2Q05 ^U 3Q05 3Q05 4Q05 1Q06 2Q06 3Q06 3Q06 4Q06 1Q07 2Q07 3Q07 1Q08 2Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 2Q05 ^L 2Q05 ^U 3Q05 4Q06 3Q06 4Q06 1Q07 3Q07 3Q07 4Q07 1Q08 3Q08 4Q08 4Q08 1Q09 4Q09 1Q09 1Q09 1Q09 1Q09 1Q09 1Q09 1Q09 1	1 1 1 5.34 3.53 4.92 0.34 0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.9 2.56	7.84 7.69 7.03 6.47 6.59 7.66 7.08 6.53 6.59 6.69 6.36 6.4 6.12 6.42 7.02 6.91	NM NM 185 87 -50 -43 -24 -76.7 -90.3 -94 5 111.7 68.4 -30	734 760 1920 1005 978 905 761 579 444 1640 1201 865 214.2 1,068 1,150	10 10 9 4 13 9 5 7 5 2.5 2 5.1 5	8.6 8.46 15.86 15.01 8.72 13.98 16.2 15.36 10.38 13.7 17.05 12.54 8.55 10.55	0.3 0.4 >10 >10 >10 >10 >10 20 >20 >20 0.1 >10	30 29 110 110 111 225 100 275 250 100 200 225 40	<10 <10 <10 60 18 >100 60 90 70 35 120 80 40 14
2Q05 ^U 3Q05 3Q05 4Q05 1Q06 2Q06 3Q06 4Q06 1Q07 2Q07 2Q07 3Q07 1Q08 2Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 2Q05 ^U 2Q05 ^U 3Q05 1Q06 3Q06 4Q06 1Q07 3Q07 3Q07 4Q07 3Q08 4Q06 1Q07 4Q07 4Q07 4Q07 4Q08 3Q08 4Q08 4Q08 1Q09 4Q07 1Q08 2Q08 3Q08 4Q08 4Q08 1Q09 4Q07 1Q09 2Q09 3Q09 MW-19-5R 4Q10 1Q11 MW-19-6R 4Q10 1Q01 4Q07 1Q09 2Q09 3Q09 3Q09	1 1 5.34 3.53 4.92 0.34 0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.09 2.56	7.69 7.03 6.47 6.59 7.66 7.08 6.53 6.59 6.69 6.36 6.4 6.12 6.42 7.02 6.91	NM 185 87 -50 -43 -24 -76.7 -90.3 -56 -94 5 111.7 68.4 -30	760 1920 1005 978 905 761 579 444 1640 1201 865 214.2 1,068 1,150	10 9 4 13 9 5 7 5 2.5 2 5.1 5 6.66	8.46 15.86 15.01 8.72 13.98 16.2 15.36 10.38 13.7 17.05 12.54 8.55	0.4 >10 >10 >10 >10 >10 18 >10 20 >20 >20 >20 0.1 >10	29 110 110 111 225 100 275 250 100 200 225 40	<10 60 18 >100 60 90 70 35 120 80 40 14
3Q05 4Q05 1Q06 3Q06 3Q06 4Q06 1Q07 2Q07 2Q07 3Q07 4Q07 1Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 3Q04 1Q05 2Q05 3Q05 4Q05 1Q06 3Q06 4Q06 1Q07 3Q07 3Q07 3Q07 4Q07 1Q08 3Q08 4Q06 1Q09 3Q08	1 5.34 3.53 4.92 0.34 0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.09 2.56	7.03 6.47 6.59 7.66 7.08 6.53 6.59 6.69 6.59 6.36 6.4 6.12 6.42 7.02 6.91	185 87 -50 -43 -24 -76.7 -90.3 -56 -94 5 111.7 68.4 -30	1920 1005 978 905 761 579 444 1640 1201 865 214.2 1,068 1,150	9 4 13 9 5 7 5 2.5 2 5.1 5 6.66	15.86 15.01 8.72 13.98 16.2 15.36 10.38 13.7 17.05 12.54 8.55	>10 >10 >10 >10 >10 18 >10 20 >20 >20 >20 >20 >10 10 >10 >10 10 10 10 10 10 10 10 10 10 10 10 10 1	110 110 11 225 100 275 250 100 200 225 40	60 18 >100 60 90 70 35 120 80 40 14
### 4Q05 1Q06 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 4Q07 4Q07 4Q08 3Q08 ### 4Q10 1Q11 MW-19-5 1Q04 3Q04 1Q05 2Q05 ¹ 2Q05 ¹ 3Q06 3Q06 4Q06 1Q07 3Q07 4Q07 4Q07 4Q07 4Q07 4Q07 4Q07 4Q07 4Q08 3Q08 4Q08 3Q08 4Q08 3Q09 MW-19-5R	5.34 3.53 4.92 0.34 0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.09 2.56	6.47 6.59 7.66 7.06 6.53 6.59 6.69 6.59 6.4 6.4 6.42 7.02 6.91	87 -50 -43 -24 -76.7 -90.3 -56 -94 5 111.7 68.4 -30	1005 978 905 761 579 444 1640 1201 865 214.2 1,068 1,150	4 13 9 5 7 5 2.5 2 5 1 5 6.66	15.01 8.72 13.98 16.2 15.36 10.38 13.7 17.05 12.54 8.55 10.55	>10 >10 >10 >10 >10 18 >10 20 >20 >20 >20 >20 >20 >10 1	110 11 225 100 275 250 100 200 225 40	18 >100 60 90 70 35 120 80 40 14
1Q06 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 1Q08 2Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 2Q04 3Q04 1Q05 2Q05 ⁰ 3Q06 4Q06 3Q06 4Q06 1Q06 2Q07 3Q07 4Q07 1Q08 2Q07 4Q07 1Q08 1Q09 1Q09 1Q09 1Q09 1Q09 1Q09 1Q09 1Q09	3.53 4.92 0.34 0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.09 2.56	6.59 7.66 7.08 6.53 6.59 6.69 6.36 6.4 6.12 6.42 7.02 6.91	-50 -43 -24 -76.7 -90.3 -56 -94 5 111.7 68.4 -30	978 905 761 579 444 1640 1201 865 214.2 1,068 1,150	13 9 5 7 5 2.5 2 5.1 5 6.66	8.72 13.98 16.2 15.36 10.38 13.7 17.05 12.54 8.55	>10 >10 18 >10 20 >20 >20 >20 >20 >20 >10 1	11 225 100 275 250 100 200 200 225 40	>100 60 90 70 35 120 80 40 14
2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 1Q08 2Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 2Q04 3Q04 1Q05 2Q05 3Q06 3Q06 4Q06 3Q06 4Q07 1Q07 1Q08 2Q08 3Q08 4Q07 1Q09 4Q07 1Q08 3Q09 MW-19-6R 4Q10 1Q11	4.92 0.34 0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.09 2.56 NS 10.16 1	7.66 7.08 6.53 6.59 6.69 6.59 6.36 6.4 6.12 6.42 7.02 6.91	-43 -24 -76.7 -90.3 -56 -94 5 111.7 68.4 -30	905 761 579 444 1640 1201 865 214.2 1,068 1,150	9 5 7 5 2.5 2 5.1 5	13.98 16.2 15.36 10.38 13.7 17.05 12.54 8.55	>10 18 >10 20 >20 >20 >20 >20 >10 >10 >10 >20 >20 >20 >20 >10 >10 >10	225 100 275 250 100 200 225 40	60 90 70 35 120 80 40 14
3Q06 4Q06 1Q07 2Q07 3Q07 3Q07 4Q07 1Q08 2Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 2Q05 2Q05 3Q05 1Q06 3Q06 4Q06 3Q06 4Q07 1Q07 2Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 4Q07 1Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6R 4Q10 1Q01 1Q01 1Q01 1Q01 1Q09 2Q09 3Q09 1Q09 3Q09	0.34 0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.09 2.56 NS 10.16 1	7.08 6.53 6.59 6.69 6.59 6.36 6.4 6.12 6.42 7.02 6.91	-24 -76.7 -90.3 -56 -94 5 111.7 68.4 -30	761 579 444 1640 1201 865 214.2 1,068 1,150	5 7 5 2.5 2 5.1 5 6.66	16.2 15.36 10.38 13.7 17.05 12.54 8.55 10.55	18 >10 20 >20 >20 >20 >20 >10 -10	100 275 250 100 200 225 40	90 70 35 120 80 40 14
4Q06 1Q07 2Q07 3Q07 4Q07 1Q08 3Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 3Q04 1Q05 2Q05 ^L 2Q06 3Q06 4Q06 1Q07 3Q07 3Q07 1Q08 4Q07 1Q08 3Q08 4Q07 1Q08 4Q07 1Q08 3Q08 4Q07 1Q08 4Q07 1Q08 4Q07 1Q08 3Q08 4Q08 1Q09 4Q07 1Q09 2Q09 3Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 1Q05 1Q06 3Q06 3Q06 4Q08 3Q08 3Q09	0.08 0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.09 2.56 NS 10.16 1	6.53 6.59 6.69 6.59 6.36 6.4 6.12 6.42 7.02 6.91	-76.7 -90.3 -56 -94 5 111.7 68.4 -30	579 444 1640 1201 865 214.2 1,068 1,150	7 5 2.5 2 5.1 5 6.66	15.36 10.38 13.7 17.05 12.54 8.55 10.55	>10 20 >20 >20 >20 >20 >20 0.1 >10	275 250 100 200 225 40 125	70 35 120 80 40 14
1Q07 2Q07 3Q07 4Q07 4Q07 4Q08 3Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 3Q05 4Q05 4Q07 3Q07 4Q07 1Q07 1Q07 1Q08 1Q08 1Q08 1Q08 1Q09 1Q08 1Q08 1Q09 1Q09 1Q09 1Q09 1Q09 1Q09 1Q09 1Q09	0.15 0.05 0.1 0.2 0.6 0.22 0.16 0.09 2.56 NS 10.16 1	6.59 6.69 6.59 6.36 6.4 6.12 6.42 7.02 6.91	-90.3 -56 -94 5 111.7 68.4 -30	444 1640 1201 865 214.2 1,068 1,150	5 2.5 2 5.1 5 6.66	10.38 13.7 17.05 12.54 8.55 10.55	20 >20 >20 >20 >20 0.1 >10	250 100 200 225 40 125	35 120 80 40 14 130
2Q07 3Q07 4Q07 1Q08 2Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 2Q04 3Q04 1Q05 2Q05 2Q05 3Q06 3Q06 4Q06 3Q06 4Q07 1Q07 1Q08 2Q07 1Q08 2Q07 3Q07 4Q07 1Q08 2Q08 4Q08 1Q08 4Q08 1Q09 2Q09 3Q09 MW-19-5R 4Q10 1Q01 1Q01 1Q01 1Q01 1Q01 1Q01 1Q01	0.05 0.1 0.2 0.6 0.22 0.16 0.09 2.56 NS 10.16 1	6.69 6.59 6.36 6.4 6.12 6.42 7.02 6.91	-56 -94 5 111.7 68.4 -30	1640 1201 865 214.2 1,068 1,150	2.5 2 5.1 5 6.66	13.7 17.05 12.54 8.55 10.55	>20 >20 >20 >20 0.1 >10	100 200 225 40 125	120 80 40 14 130
3Q07 4Q07 1Q08 2Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 3Q06 3Q06 4Q06 3Q07 4Q07 1Q08 2Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 4Q08 1Q09 4Q08 1Q09 4Q08 1Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 3Q04 3Q04 1Q05 2Q05 ^L 3Q06 3Q06 3Q09	0.1 0.2 0.6 0.22 0.16 0.09 2.56 NS 10.16	6.59 6.36 6.4 6.12 6.42 7.02 6.91	-94 5 111.7 68.4 -30	1201 865 214.2 1,068 1,150	2 5.1 5 6.66	17.05 12.54 8.55 10.55	>20 >20 0.1 >10	200 225 40 125	80 40 14 130
## 4Q07 ## 1Q08 ## 2Q08 ## 3Q08 ## 3Q08 ## 4Q10 ## 1Q11 ## 4Q10 ## 1Q11 ## 4Q10 ## 1Q04 ## 3Q04 ## 3Q04 ## 1Q05 ## 2Q05 ## 3Q05 ## 3Q06 ## 3Q06 ## 3Q06 ## 3Q06 ## 3Q07 ## 3Q08 ## 3Q08 ## 3Q08 ## 3Q08 ## 3Q08 ## 3Q08 ## 3Q09 ## 4Q10 ## 1Q11 ## 4Q10 ## 1Q11 ## 4Q10 ## 3Q04 ## 3Q04 ## 3Q04 ## 3Q04 ## 3Q04 ## 3Q05 ## 3Q05 ## 3Q05 ## 3Q06 ##	0.2 0.6 0.22 0.16 0.09 2.56 NS 10.16 1	6.36 6.4 6.12 6.42 7.02 6.91	5 111.7 68.4 -30	865 214.2 1,068 1,150	5.1 5 6.66	12.54 8.55 10.55	>20 0.1 >10	225 40 125	40 14 130
1Q08 2Q08 3Q08 MW-19R 4Q10 1Q11 MW-19-5 1Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 3Q06 3Q06 4Q06 1Q07 1Q07 2Q07 3Q07 1Q08 2Q08 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 4Q07 1Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6R 1Q04 1Q05 2Q05 ^L 3Q05 4Q10 3Q06 3Q06 3Q08 3Q09	0.6 0.22 0.16 0.09 2.56 NS 10.16	6.4 6.12 6.42 7.02 6.91	68.4 -30 -28.2	214.2 1,068 1,150	5 6.66	8.55 10.55	0.1 >10	40 125	130
2Q08 3Q08 3Q08	0.16 0.09 2.56 NS 10.16 1	7.02 6.91 NS	-30 -28.2	1,150					
MW-19-5 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^U 3Q06 3Q06 4Q06 3Q06 4Q06 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 4Q08 1Q09 MW-19-5R 4Q10 1Q11 MW-19-6 1Q04 3Q04 3Q04 1Q05 2Q05 ^U 3Q06 3Q06 3Q06 3Q08	0.09 2.56 NS 10.16 1	7.02 6.91 NS	-28.2		7	13.94	>20	140	50
MW-19-5 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^U 3Q06 3Q06 4Q06 3Q06 4Q06 1Q07 2Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 4Q08 4Q08 1Q09 4Q09 1Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 3Q04 1Q05 2Q05 ^U 3Q05 4Q05 3Q06 3Q06 3Q06 3Q06 3Q06	2.56 NS 10.16 1	6.91 NS		1144					
MW-19-5 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^U 3Q06 3Q06 4Q06 3Q06 4Q06 1Q07 2Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 4Q08 4Q08 1Q09 4Q09 1Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 3Q04 1Q05 2Q05 ^U 3Q05 4Q05 3Q06 3Q06 3Q06 3Q06 3Q06	2.56 NS 10.16 1	6.91 NS		1 1144 1	0.05	42.24	45	400	
MW-19-5 1Q04 2Q04 3Q04 1Q05 2Q05 2Q05 3Q05 4Q05 3Q06 4Q06 1Q07 2Q07 3Q07 1Q08 2Q08 4Q08 1Q09 1Q09 3Q09 MW-19-5R 4Q10 1Q11 MW-19-6 1Q04 2Q05 3Q05 2Q05 3Q06 3Q06 4Q06 3Q06 3Q06 3Q06 3Q06 3Q06	NS 10.16 1	NS	0.5	993	9.35 9.94	13.34 6.99	15 0.2	180 120	17
2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^U 3Q05 3Q05 4Q05 1Q06 3Q06 3Q06 4Q06 1Q07 2Q07 3Q07 1Q08 2Q08 3Q08 4Q08 1Q09 1Q09 2Q09 3Q09 MW-19-5R 4Q10 1Q11 MW-19-6 1Q04 2Q05 ^L 2Q05 ^U 3Q05 1Q05 3Q06 4Q06 3Q06 3Q06	10.16 1			993	9.94	6.99	0.2	120	
2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^U 3Q05 1Q06 3Q06 1Q06 3Q06 3Q06 1Q07 2Q07 3Q07 1Q08 2Q08 3Q08 4Q08 1Q09 1Q09 2Q09 3Q09 MW-19-5R 4Q10 1Q11 MW-19-6 1Q04 2Q05 ^U 3Q05 2Q05 ^U 3Q05 1Q06 3Q06 3Q06 3Q06	10.16 1		NS	NS	NS	NS	NS	NS	NS
3Q04 1Q05 2Q05 ^L 2Q05 ^L 2Q05 ^U 3Q05 4Q06 3Q06 3Q06 4Q06 1Q07 2Q07 3Q07 1Q08 2Q08 3Q08 4Q08 1Q09 1Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 2Q05 ^L 2Q05 ^U 2Q05 ^U 3Q05 1Q06 3Q06 3Q06 3Q06 3Q06	1	7.02	41	1550	4	12.89	NM	130	70
1Q05 2Q05 ^L 2Q05 ^U 3Q05 3Q05 4Q05 1Q06 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 1Q08 2Q08 3Q08 4Q08 1Q09 4Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 2Q05 ^U 3Q05 2Q05 ^U 3Q05 4Q05 3Q06 3Q06 3Q06	1	7.26	87	1740	19	16.3	2	150	60
2Q05 ^L 2Q05 ^U 3Q05 3Q05 4Q05 1Q06 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^U 3Q05 4Q05 1Q06 3Q06 1Q06 3Q06		7.94	226	269	9	10.59	0	126 ⁽¹⁾	63
2Q05 ^U 3Q05 4Q05 4Q05 4Q05 4Q05 4Q06 4Q06 4Q06 4Q06 4Q06 4Q07 4Q07 4Q07 4Q07 4Q07 4Q08 4Q09 3Q09 4Q05 4Q05	- 1	7.94	NM	2640	10	8 .	Ö	45	16
3Q05 4Q05 1Q06 2Q06 3Q06 4Q06 1Q07 1Q07 2Q07 3Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 MW-19-5R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 2Q05 3Q05 1Q05 1Q06 2Q06 3Q06 3Q06	0.8	7.99	NM	2100	38	6.96	0	45	10.5
### ##################################	0.8	7.44	184	920	2	15.15	>10	100	35
1Q06 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 2Q05 2Q05 3Q05 4Q05 3Q05 4Q06 3Q06 2Q06 3Q06	1.84	6.27	217	216	10	15.15	0.1	30	11
2Q06 3Q06 4Q06 4Q06 1Q07 2Q07 3Q07 4Q07 1Q08 3Q08 4Q08 4Q08 4Q08 4Q08 4Q09 3Q09 4Q10 1Q11 MW-19-6 1Q04 3Q04 1Q05 2Q05 2Q05 3Q05 4Q05 4Q05 4Q06 1Q06 2Q06 4Q06 1Q06 2Q06 3Q06 4Q06 3Q06 4Q06 3Q06 3Q06 3Q06 3Q06 3Q06 3Q06 3Q06 4Q06 3Q06 4Q06 3Q06 3Q06 4Q06 3Q06 3Q06 4Q06 3Q06 3Q06 4Q06 3Q06 4Q06 3Q06	3.35	6.35	249	512	3	8.17	0	12	>100
3Q06 4Q06 1Q07 2Q07 3Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 MW-19-6R 1Q01 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 2Q05 ^L 3Q05 4Q05 1Q06 3Q06 1Q06	6.79	7.50	36	327	5	14.4	0.3	90	27
### ##################################	2.87	7.45	143	406	10	16.38	0	100	22
1Q07 2Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 3Q09 MW-19-5R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 3Q05 4Q05 1Q06 3Q06 1Q06 2Q06 3Q06	6.3	7.55	184	.347	6	14.49	0.4	145	32
2Q07 3Q07 1Q08 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 MW-19-5R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ¹ 2Q05 ⁰ 3Q05 1Q06 1Q06 2Q06 3Q06	0.16	6.53	14.2	370	. 4	10.08	1	175	16
### ##################################	0	7.04	-36	539	6.8	14	>20	190	70
1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 3Q05 4Q05 1Q06 2Q06 2Q06 3Q06	0.1	7.09	36	530	5	16.18	1	160	65
2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 MW-19-5R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 4Q05 1Q06 1Q06 2Q06 3Q06	1.6	6.17	45	311	3.6	12.59	0.4	130	30
3Q08 4Q08 1Q09 2Q09 3Q09 MW-19-5R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 3Q05 1Q06 1Q06 2Q06 3Q06 3Q06	1.83	6.28	108.1	125.5	12	6.14	0.1	35	15
### ##################################	1.48	5.99	6	371	10	10.06	0.2	100	40
1Q09 2Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^U 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 3Q06 3Q06	0.07	6.76	-23	896	2	14.55	>20	190	30
2Q09 3Q09 3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 4Q05 1Q06 2Q06 3Q06	3.29	6.38	76	214	7	15.01	0.2	75	26
3Q09 MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 3Q05 4Q05 1Q06 2Q06 2Q06 3Q06	3.35	7.27	16	227	7.89	8.64	0.2	60	14
MW-19-6R 4Q10 1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 3Q05 1Q06 1Q06 2Q06 3Q06	4.67	6.19	-86	383	9	8.52	0.6	70	19
1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^U 3Q05 1Q06 4Q05 1Q06 2Q06 3Q06	1.1	6.83	137	664	3	14.16	1	70	35
1Q11 MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^U 3Q05 1Q06 4Q05 1Q06 2Q06 3Q06	0.1	6.84	-98	976	9.7	14.06	>20	250	17
MW-19-6 1Q04 2Q04 3Q04 1Q05 2Q05 ^L 2Q05 ^L 3Q05 1Q06 4Q05 1Q06 2Q06 3Q06	0.16	6.66	55.1	1018	4.59	8.83	15	180	30
2Q04 3Q04 1Q05 2Q05 ^L 3Q05 4Q05 1Q06 2Q06 3Q06		0.00	1 00.1	10,0	1.50	0.00		100	+
3Q04 1Q05 2Q05 ^L 3Q05 4Q05 1Q06 2Q06 3Q06	NS	NS	NS	NS	NS	NS	NS	NS	NS
1Q05 2Q05 ^L 2Q05 ^U 3Q05 4Q05 1Q06 2Q06 3Q06	5.48	6.86	56	2640	10	15.24	NM	80	33
2Q05 ^L 2Q05 ^U 3Q05 4Q05 4Q05 1Q06 2Q06 3Q06	1	7.43	83	2490	4	16.61	0.4	125	20
2Q05 ^u 3Q05 4Q05 1Q06 2Q06 3Q06	1	7.73	241	867	12	11.79	0	204 ⁽¹⁾	41
2Q05 ^u 3Q05 4Q05 1Q06 2Q06 3Q06	1	7.50	NM	.1870	27	10.64	0.1	75	15
3Q05 4Q05 1Q06 2Q06 3Q06	. 1	7.48	NM	1790	2	9.89	1	80	20
4Q05 1Q06 2Q06 3Q06	1	7.28	191	3030	36	15.2	0.4	70	20
1Q06 2Q06 3Q06	5.39	5.86	307	1550	9	14.76	0	80	10.5
2Q06 3Q06	3.71	6.60	237	1116	4	9.93	0	12	>100
3Q06	6.61	7.53	35	1520	5	13.51	0.2	125	23
1000	4.48	7.44	162	1249	9	16.11	0	100	24
4Q06	4.7	7.47	207	941	8	15.45	0	70	40
1Q07	1.16	6.82	69.5	602	8	11.38	0.2	90	16
2Q07	1	6.69	-35	2720	5.6	14.36	0.1	140	50
3Q07	0.8	7.16	12	1458	4	17.3	0.6	160	42
4Q07		7.44	51.4	1283	5.9	12.92	0.3	25	17
1Q08	2	6.52	91.2	854.4	6	10.71	0.4	100	20
2Q08	1	6.71	119.4	1,205	2.4	11.83	0.6	110	35
3Q08	1 3.69	6.78	39	2,280	8	15.51	3	140	28
4Q08	1 3.69 1.3	6.8	62	1,550	9	15.15	0.3	155	19
1009	1 3.69 1.3 2.23	7.51	48	1152	8.69	10.10	0.4	120	20
2009	1 3.69 1.3 2.23 2.5	6.46	-39	258	8.65	9.88	0.6	70	25
3Q09	1 3.69 1.3 2.23	7.12	38	1730	9	14.02	1 1	60	25

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring - MNA Field Data

Well ID	Event	DO (mg/L)	рН	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	1Q11	0.22	6.72	-32	2000	7.85	9.63	· 2	160	20
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
10104-13-7	2Q04	5.89	6.82	48	380	6	14.34	NM	95	90
	3Q04	1	6.92	113	4040	2	16.77	1	75	70
	1Q05	0.6	7.16	281	1388	1	11.34	3	200 ⁽¹⁾	63
	2Q05 ^L	0.05	7.82	102	938	25	11.7	15	160	36
	2Q05 ^U	1	7.80	NM	961	49	11.22	15	200	29
	3Q05 ^L	0.8	7.03	90	2670	17	14.76	>10	95	0.8
	3Q05 ^U	1	7.02	185	2460	5	16.02	>10	70	35
	4Q05	1.58	5.98	-44	1434	14	14.85	>10	11	30
	1Q06	1.86	6.20	43	1130	14	10.81	>10	>100	>100
	2Q06	3.87	7.41 7.28	-33 33	1284 1254	9 10	13.28 15.8	>10	170 200	70 50
	3Q06 4Q06	0.6	7.47	204	970	7	15.23	9 2	185	70
	1Q07	0.12	6.80	-84.3	518	6	11.52	9	175	23
	2Q07	0.12	6.98	36	1397	4.5	15.68	2	100	38
	3Q07	0.2	7.05	181	1016	5	17.48	0.2	120	38
	4Q07	0.6	6.48	74.2	2126	5.3	12.7	0.2	70	30
1 11	1Q08	1	6.21	105.4	2023	10	9.48	0.3	45	27
	2Q08	0.24	6.42	0.5	1,892	9.13	11.31	1.5	130	22.5
	3Q08	0.11	6.94	60	980	29	16.78	0.5	150	27
	4Q08	0.23	6.42 7.28	50.9	806 4350	9.13 3.2	15.77 9.70	0.6 1	130 120	14 20
	1Q09 2Q09	1.33 4.24	6.58	53 -14	5120	28.1	9.00	2	40	18
	3Q09	0.38	7.26	112	2310	8	15.04	0.6	80	21
MW-19-7R	4Q10	0.1	. 7.07	-28.2	747	9.46	15.01	5	130	11
WW-15-7K	1Q11	0.22	6.83	12.5	1521	12	9.1	16	180	25
B#14/ 40 Q	1004	NC	NC	NC	NS	NC	NS	NC	NIC	NS
MW-19-8	1Q04 2Q04	NS 3.98	NS 6.9	NS -24	2010	NS 10	15.69	NS NM	NS 125	30
	3Q04	0.4	7.52	48	1093	7	18.29	2	100	19
	1Q05	0.3	7.06	161	177	16	12.92	10	142 ⁽¹⁾	28
	2Q05	0.8	7.92	NM	1510	47	10.82	6	70	19
	3Q05	0	7.07	147	1820	2	18.86	3	80	19
	4Q05	6.74	6.10	330	1460	5	17.19	3	85	20
	1Q11	3.36	6.87	80.1	2162	8.13	8.59	0	130	14
MW-19-9D	1Q04	NS	NS	NS	NS	NS	NS	**	**	**
	2Q04	3.03	7.11	-28	480	63	14.64	**	**	**
	3Q04	0.2	7.40	8	545	35	15.7	**	**	**
	1Q05 2Q05	0.05	7.14 7.91	193 NM	871 471	267 70	11.58 12.12	**	**	**
	3Q05	0.03	7.35	189	552	2	16.4	**	**	**
	4Q05	0.94	5.78	-91	465	1	13.96	**	**	**
MW-19-10	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
19199-13-10	2Q04	3.82	6.78	85	1050	7	13.94	NM	80	25
	3Q04	0.1	7.35	107	1498	11	15.56	1.5	65	20
·	1Q05	0.15	7.25	285	1039	28	13.19	2	127 ⁽¹⁾	20
	2Q05 ^L	0.8	7.47	NM	1209	52	12.18	0.4	70	13
	2Q05 ^U	1	7.48	NM	1282	41	11.18	1	75	13
** * ********	3Q05	1	7.62	212	1148	18	16.47	0.6	70	13
	4Q05	9.89	6.73	229	1167	39	15.00	1	60	10
MW-19-11	1Q05	1.5	7.01	215	740	8	10.3	0	205 ⁽¹⁾	65
10174-13-11	2Q05 ^L	0.8	7.88	NM	1424	38	12.18	4	110	17
	2Q05 ^U	0.8	7.80	NM	1442	10	12.12	4	90	15
	3Q05	1	7.72	209	1155	77	16.63	1 1	80	12.5
	4Q05	2.5	6.51	271	1470	10	15.86	0.4	85	15
MW-19-12	2Q06	0.99	7.29	-33	1046	9	16.06	4	120	100
	3Q06	0.21	7.41	5	1460	18	17.9	4	12	17
	4Q06	0.23	7.60	191	1234	10	16.72	3.5	1000	17
	1Q07	0.18	6.91	-39.6	680	8	12.29	1.5	100	10
	2Q07	2	7.24	137	473	5	18.56	0	110	11
	3Q07	2	7.45	118	463	2	19.2	0	85	0
	4Q07	9	7.55	2.7	439	8.1	9.68	0	110	<10
	1Q08	2	6.72	78.4	197.2	2	7.59	0	40	<10
	2Q08	7.4	7.09	79	386	0.12	13.31	0	110	<10
	3Q08	4.29	7.23	51	369	6	19.58	0	70	12
	4Q08	4.63	6.72	91	500	2	13.64	0.1	110	12
	1Q09	6.47	7.91	72	568	0.5	7.47	0.1	120	<10

Table 4 Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring - MNA Field Data

Well ID	Event	DO (mg/L)	рН	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
* *	2Q09	9.6	7.59	18	621	7.18	9.29	. 0	70	6
	3Q09	4.98	7.11	123	464	1	17.23	0	70	13
	4Q09	5.7	7.86	164	507	3	13.16	0	100	15
	1Q10	7.27	7.86	352	207	1	6.65	0	100	20
	2Q10	5.20	7.53	42.2	377	9.30	12.22	NM	NM	NM
	3Q10	5.17	6.81	151	423	8.00	18.90	NM	NM	NM
	4Q10	4.46	7.33	-65.2	324	2.89	10.83	0	110	<10
	1Q11	5.30	7.3	47.2	293	5.34	8.30	0	100	10
MW-19-13	4Q10	0.11	6.96	-36.7	704	44.70	14.74	>20	160	18
. F	1Q11	1.44	6.31	. 45	734	190.00	9.21	10	40	45
MW-19-14	4Q10	0.14	6.79	-5.5	1054	3.83	12.37	4	200	18
	1Q11	3.41	6.92	33.4	944	8.03	7.37	0.2	190	15
MW-19-15	4Q10	1.10	6.94	57.8	647	47.00	14.45	0.2	160	13
MIT 70-10	1Q11	3.73	6.58	92.5	1606	15.20	8.64	0.2	150	11
MW-19-16	4Q10	2.68	7.37	44.6	1163	8.81	11.96	0.2	160	11
MVV-19-16	1Q11	0.21	6.75	84.7	914	9.15	6.56	0.2	150	11
	1011	0.21	6.75	04.7	914	9.15	6.56	0.3	150	+ ''-
MW-19-17	4Q10	0.11	7.16	5.5	506	9.46	14.60	7	120	<10
	1Q11	0.17	6.59	-2.2	1332	9.19	10.47	13	110	27
MW-8	3Q08	0.06	7.04	-162	571	20	15.63	>20	260	30
	4Q08	0.23	6.99	-51	175	70	12.91	14	40	<100
	1Q09	0.1	8.08	-198	607	52.3	9.19	>10	125	30
	2Q09	0.1	7.16	12.3	268	39	8.11	>20	160	60
	3Q09	0.07	7.14	-165.1	633	13	13.34	>20	150	30
	4Q09	0.07	8.53	-177	442	28	13.01	>20	100	25
	1Q10	0.04	7.51	-193	417	48.9	8.53	>20	160	16
	2Q10	0.04	7.06	-126.5	440	24.2	10.58	>20	120	13
•	3Q10	0.09	7.22	-196	573	24.5	15.50	>20	200	35
	4Q10	0.79	7.53	-153	370	26.2	11.23	20	50	18
	1Q11	0.18	7.02	-139	864	36.2	8.71	20	100	20
MW-25R	2Q06	0.47	6.77	-102	620	9	14.74	3.5	75	17
	3Q06	0.97	5.57	90.1	572	229	15.67	5	160	350
	4Q06	0.25	7.14	-41.2	517	24	11.33	1.5	90	100
	1Q07	1.8	6.80	-100.4	636	55	7.15	3	100	150
	2Q07	0.35	6.69	-65.8	453	123	14.38	3.5	40	20
	3Q07	1	6.98	-75.3	355	NM-mtr broke	18.93	0.3	75	15
	4Q07	0.6	7.15	30	616	127	6.81	2	100	110
	1Q08 2Q08	0.34	7.32 7.20	-79 -80	639 601	47.6 46	7.87 10.95	4.5 4.5	150 150	12.5 15
	3Q08	0.24	6.55	-110.7	446	19.2	15.71	2.5	160	70
	4Q08	1.66	7.25	22.7	227	5.9	9.6	1	70	<10
	1Q09	0.71	7.22	21.8	383	8	5.00	0.5	120	<10
	2Q09	0.58	7.11	-40	376	8	6.48	2	70	7
	3Q09 4Q09	0.15 0.82	6.77 8.11	-64 -44	604 726	19.3 121	15.93 10.94	2	150 70	20
	1Q10	3.1	7.08	-44 -46	455	45.4	3.32	2	90	25
	2Q10	1.29	6.98	-56.2	515	117	11.04	2	50	11
	3Q10	1.62	7.00	-48	666	32.5	17.07	NS	NS	NS
	4Q10	0.75	7.15	-6	617	16	7.75	0.8	70	10
	1Q11	1.18	6.85	-36	668	9.6	6.72	1	100	<10

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring - MNA Field Data

Well ID	Event	DO (mg/L)	pН	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-27s	2Q06*	1.66	7.74	183	933	>1000	16.65	0	80	<10
	3Q06	0.54	7.72	45	1437	247	19.44	0	200	14
	4Q06	2.36	7.59	134	1275	>1000	16.39	0	<10	20
	1Q07	4	7.15	-10.8	1078	>1000	8.31	NM - sediment	NM - sediment	NM - sedimen
	2Q07	8.29	7.09	105.6	765	>1000	15.23	NM - sediment	NM - sediment	NM - sedimen
	3Q07	0.4	7.24	27	1017	>1000	17.58	NM - sediment	NM - sediment	NM - sedimen
	4Q07	1	7.16	165	1002	997	11.34	NM - sediment	NM - sediment	NM - sedimen
	1Q08	 	7.15	71.5	612.7	186	8.41	NM - sediment	NM - sediment	NM - sedimen
,	2Q08	1 1	7.18	111.1	735	81.1	11.43	0	22.5	85
	3Q08	3.21	6.21	46	861	184	17.09	0.8	225	135
	4Q08	2.63	6.99	34.4	626	47.2	13.67	NM - ran dry	NM - ran dry	NM - ran dry
	1Q09	1.12	7.35	51.3	522	1000	10.67	0.1	200	20
	2Q09	1.55	8.2	-71	486	62	9.08	0.6	150	15
	3Q09	0.61	7.59	15	675	24.8	15.29	1	250	20
	4Q09	5.12	8.31	-5	1180	108	15.93	NM	NM	NM
	1Q10	3.04	7.82	-84.5	705	107	9.37	0.3	200	20
		0.89	7.62	-29.6	669	92		0.4	70	12
. ,	2Q10 2Q10	0.89		-29.6 -43	1147	>1000	10.28 15.98	0.4	70	20
<u> </u>	3Q10 4010	2.8	6.81 7.44	-43 -40	1091	349	13.53	NM-ran dry	NM-ran dry	NM-ran dn
•	4Q10			57.5						
	1Q11	2.21	6.82	57.5	568	NM	8.52	0.1	150	18
P 414 00			7.00	 		40	44.00	. 40		0.7
MW-28s	2Q06	0.11	7.69	-478	687	12	14.38	>10	82	37
	3Q06	0.27	5.96	-101.8	831	14	17.69	>20	180	90
	4Q06	0.04	7.22	-146.8	684	20	15.27	>20	200	55
	1Q07	2.1	6.74	-176.2	650	12	9.75	>20	160	22
	2Q07	0.48	7.01	-138.3	568	36	15.36	>20	180	. 35
	3Q07	0.1	7.1	-132.1	576	9.6	16.99	>20	180	50
	4Q07	0.2	6.86	-120.4	634	7.03	11.97	>20	170	22
	1Q08	0.11	7.3	-169	492	11.3	9.22	15	130	20
	2Q08	0.19	6.57	-52.4	508	9.13	12.25	>10	140	35
	3Q08	0.29	6.91	-65.1	390	9.54	15.33	>20	200	35
-	3Q08	1	6.8	-92	494	339	16.5	NM	NM	NM
•, ,	4Q08	0.05	6.94	-81.5	395	7.96	13.88	>20 .	170	<100
	1Q09	0.18	7.59	-15.3	466	9.86	9.63	>20	115	22
	2Q09	0.06	6.75	-76.6	392	9	9.26	>20	150	40
	3Q09	0.06	6.93	-114.2	899	9.66	14.81	>20	160	40
	4Q09	0.4	8.52	-143	830	6	13.25	>20	70	20
	1Q10	0.09	7.00	-132.9	502	9.6	8.71	20	35	16
	2Q10	0.06	6.99	-109.4	324	9.6	11.41	14	100	13
	3Q10	0.07	7.18	-153	658	9	15.50	>20	100	18
	4Q10	1.26	7.21	-149	821	9.1	12.43	20	100	25
	1Q11	0.11	6.94	-136	778	9.8	9.26	>20	70	30
				1						
MW-28i	2Q06	0.23	7.88	-126	756	8	15	>10	135	28
	3Q06	0.51	7.59	-98	649	14	16.42	18	90	27
m	4Q06	0.04	7.37	-146.7	598	13	14.82	>20	150	25
	1Q07	0.2	6.80	-173.3	686	4.9	10.7	>20	140	23
	2Q07	0.18	7.07	-170	507	17	14.9	>20	145	24
	3Q07	0.1	7.15	-104.7	536	5.7	16.19	>20	170	30
	4Q07	0.26	6.59	-58.2	677	7.44	11.96	>20	160	20
	1Q08	0.01	6.81	-100.2	400.2	6	10.31	12	135	20
	2Q08	0.2	6.65	-4.8	593	7.75	12.99	>10	170	35
	3Q08	0.21	7.34	-136	530	10	14.94	>20	170	23
	4Q08	0.04	7.34	-68	442	8.81	14.23	>20	160	<100
**************************************		0.04	7.28	-34	548	7.67	11.19	>20	150	25
	1Q09								+	
	2Q09	0.05	6.35	-29.1	407	20	9.97	>20	100	60
	3Q09	0.52	7.88	-96	1007	4	13.70	20	50	50
	4Q09	0.13	8.43	-146	828	26	13.21	20	70	18
	1Q10	0.08	7.07	145.2	664	7.87	10.00	16	30	15
	2Q10	0.06	7.02	-112.1	372	9.8	12.06	12	70	14
				1 440	1 004		44.00	40	1 400	20
	3Q10	0.08	7.25	-149	681	9.5	14.38	16	100	20
	3Q10 4Q10	0.08 1.53	7.25	-149 -151	849	7.38	14.38	>20	130	25

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring - MNA Field Data

Well ID	Event	DO (mg/L)	рН	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-29s	2Q06	3.63	7.32	-32	1021	68	18.45	>10	260	95
	3Q06	0.36	6.73	-109.8	1090	10	20.63	18	310	80
	4Q06	0.05	6.85	-97.9	775	11	17.04	>10	350	65
	1Q07	0.7	6.53	-163.9	902	5.6	8.77	18	240	30
	2Q07	4.03	6.71	-113.8	766	31	18.48	>10	225	25
	3Q07	0.7	6.66	-13.9	881	9.84	21.12	>20	325	100
	4Q07	0.2	7.12	-35	960	8	13.51	>20	285	75
	1Q08	0.21	7.02	-94	1027	9.92	7.87	>10	290	22
	2Q08	0.27	6.89	31.2	935	5.9	12.22	>20	250	70
	3Q08	0.08	6.61	-79.7	456	8.09	20.04	>10	300	130
	4Q08	0.00	6.91	-127	798	6	17.6	>20	250	36
	1Q09	1.14	6.72	62.8	564	6.78	9.00	20	200	50
	2Q09	0.05	7.09	-89.7	578	8	9.13	>20	350	70
····	3Q09	0.07	6.47	-115.1	922	9.51	17.91	>20	250	80
	4Q09	0.07	7.85	-99	837	4	16.00	>20	220	90
	1Q10		7.08	-74	596	7.3	7.50	NM	70	35
		0.1								
	2Q10	0.11	6.70	-98.5	728	8.33	10.64	>20	100	50
······	3Q10	0.12	6.69	-156	1008	9.8	18.57	>20	100	35
	4Q10	0.12	7.15	-129	935	3.1	12.40	10	100	25
	1Q11	0.36	6.65	-94	912	8.8	5.45	10	50	25
MW-30s	2Q06	0.14	6.76	-180	672	34	16.81	>10	78	14
	3Q06	0.39	5.66	73.1	704	155	18.9	18	60	250
	4Q06	0.01	7.09	-146.1	627	94	13.46	>20	200	60
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.34	6.99	-159.4	458	213	18.55	>20	225	40
	3Q07	0.3	7.05	-128.7	696	100	19.15	>20	230	37
	4Q07	0.8	7.45	-50	871	67	7.74	>20	200	43
	1Q08	0.12	7.32	-158	825	113	4.85	>20	NM - sediment	NM - sedimen
	2Q08	0.2	7.49	-47.6	484	9.42	11.43	18	160	22.5
	3Q08	0.03	6.93	-128.1	378	11.2	19.06	>10	200	70
*	4Q08	0.05	6.66	-2.3	468	9.65	12.93	>20	50	20
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	0.17	6.94	-238	956	9.47	7.67	+20	80	40
	3Q09	0.06	6.93	-118.2	724	9.5	18.26	>20	225	50
	4Q09	0.14	8.57	-151	906	9	12.18	>20	70	25
	1Q10	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q10	1.45	6.92	-91.1	633	18	10.23	>20	100	30
	3Q10	0.1	7.00	-149	866	24.9	17.85	>20	100	25
	4Q10	0.85	7.19	-140	854	8.35	8.89	12	70	20
	1Q11	0.08	7.17	-81.3	599	9.71	7.8	13	180	30
		-	7		-	U.				
MW-30i	2Q06	0.33	7.70	-194	687	8	15.22	5.5	75	19
	3Q06	0.43	7.52	-63	777	9	17.13	18	180	32
	4Q06	0.2	7.16	-144.2	827	42	14.2	>10	>1000	45
·	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.33	6.99	-146.8	486	41	15.23	>20	145	25
	3Q07	0.33	7.08	-140.8	661	NM-mtr broke	17.07	>20	200	29
	4Q07	1	7.39	-19.6	889	136	8.28	>20	200	29
	1Q08	0.13		-149	784				150	
			6.7			9.98	8.55	>20	+	18
	2Q08	0.08	7.29	-142	581	21	12.28	16	140	26
	3Q08	0.04	73.11	-136.0	552	8.56	16.62	>10	180	50
	4Q08	0.3	7.43	-133	715	6	13.57	>20	165	27
	1Q09	NS-frozen			NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	0.32	6.73	-222	930	5.7	8.75	20	50	32
	3Q09	0.05	7.06	-143.2	682	9.62	15.86	18	180	50
	4Q09	0.1	8.46	-148	878	20	12.95	14	100	18
	1Q10	NS-frozen			NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q10	0.07	7.06	-120.9	605	7.31	9.61	14	70	22
	3Q10	0.33	7.1	-160	806	21	15.55	16	70	20
	4Q10	1.08	7.49	-140	893	9.8	10.82	14	70	16
	40,10									
	1Q11	0.1	7.19	-12	620	7.88	9.18	15	140	25

Table 4 Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring - MNA Field Data

Well ID	Event	DO (mg/L)	рН	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-30d	2Q06	0.3	5.35	-131	449	10	14.45	2	100	30
	3Q06	2.49	7	-44	458	15	15.07	2.5	70	70
	4Q06	0.18	7.29	-99	637	33	13.39	5	130	17
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.38	7.03	-95.7	340	69	14.51	3.5	115	12
	3Q07	0.8	7.24	22.6	401	NM-mtr broke	14.73	3	130	13
	4Q07	0.1	7.05	128	500	80	10.02	0.4	100	<10
	1Q08	0.45	6.8	1	487	16.3	9.19	1.5	130	<10
	2Q08 .	0.32	7.24	-62	504	18	12.87	2	125	14
	3Q08	0.2	7.3	-112.3	328	9.41	15.26	2.5	115	14
	. 4Q08	0.19	7.48	-114	532	12	12.59	6	125	13
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	0.18	7.03	-197	608	14	10.87	3	80	13
	3Q09	0.22	7.19	-110	450	14.5	13.79	2	130	13
	4Q09	0.18	8.68	-119	635	9	12.61	2	50	11
	1Q10	0.2	7.25	-87	508	9.2	10.25	2	150	11
	2Q10	0.24	7.17	-56.3	377	23.2	10.87	2	40	10
	3Q10	7.8	7.41	-65	492	51	13.2	1	40	20
	4Q10	6.18	7.69	-89	758	7.27	12.2	3	50	12
	1Q11	0.25	5.48	108	584	8.71	11.9	2	100	50
		1								
MW-31s	2Q08	0.51	12.47	-192	1,499	>1000	15.74	1	225	0
	3Q08	0.97	6.54	-27	2,130	381	21.79	4.5	1000	400
	4Q08	0.16	8.13	34.7	488	7.64	12.99	NM-No Water	NM-No Water	NM-No Wate
	1Q09	0.43	10.98	71	567	15	5.45	0.1	200	0
	2Q09	0.16	8.68	-127.6	540	28	6.61	0.4	225	18
	3Q09	0.24	10.67	-144.1	795	6.22	18.68	0.5	170	NM-No Wate
	4Q09	0.54	9.03	-72	1019	37	13.41	>20	100	NM-No Wate
	1Q10	2.26	11.57	-148	670	79.4	4.42	0	140	0
	2Q10	1.65	11.26	-116.6	905	3.98	10.38	Ö	200	0
	3Q10	0.38	8.86	-272	900	>1000	18.80	NM-No Water	NM-No Water	NM-No Wate
¥	4Q10	0.65	7.46	13.7	959	3.91	9.10	6	125	16
<u> </u>		0.37	9.48	32	497	2.77	5.37	7	90	0
	1Q11	0.57	3.40	1 32	437	2.11	3.57	· · · · · · · · · · · · · · · · · · ·	30	
MW-32s	2Q08	0.33	6.9	-86	1,105	109	12.11	NM-No Water	NM-No Water	NM-No Wate
19194-328	3Q08	0.07	6.47	-149.6	1,169	15.9	22.56	NM-No Water	NM-No Water	NM-No Wate
	4Q08	0.07	6.68	-20.4	799	14	14.72	NM-No Water	NM-No Water	NM-No Wate
	1Q09	0.32	6.94	42.1	665	8	5.60	NM-No Water	NM-No Water	NM-No Wate
			6.61	-132.8	659		6.62			80
	2Q09	0.29		-111.4	952	12 5.17	18.70	>20 >20	250 500	100
	3Q09	0.19	6.63							
	4Q09	0.3	7.77	-53	1276	169	13.04	NM-No Water	NM-No Water	NM-No Wate
	1Q10	0.45	6.68	-82	687	10.3	3.89	>20	200	30
	2Q10	0.27	6.64	-106.0	825	5.38	10.50	>20	200	30
	3Q10	0.56	6.37	-134.0	974	221	19.23	NM-No Water	NM-No Water	NM-No Wate
	4Q10	0.32	6.99	-85.7	837	17.7	8.63	>20	225	35
	1Q11	0.45	6.92	8.6	734	8.4	5.30	>20	250	35
			<u> </u>							
MW-33s	2Q08	0.77	7.29	-74	650	682	12.98	18	180	70
	3Q08	2.55	6.06	NM	616	148	26.4	>20	310	200
	4Q08	0.21	6.44	5.7	607	14	13.1	NM-No Water	NM-No Water	NM-No Wate
	1Q09	0.37	5.2	168.5	567	38	5.29	>20	225	60
	2Q09	0.61	6.79	-39.4	577	38.6	5.86	>20	350	80
	3Q09	0.18	6.56	-82.7	1226	16.9	17.63	>20	500	150
	4Q09	2.96	7.79	-46	1381	314	14.13	>20	400 .	35
	1Q10	0.93	6.79	-96.7	776	52.3	4.20	>20	300	25
	2Q10	3.19	6.69	-82.1	1055	32.9	9.50	>20	300	50
	3Q10	0.16	6.36	-80	910	30.9	18.66	NM-No Water	NM-No Water	NM-No Wat
	4Q10	0.95	7.01	86.5	735	33.6	9.29	10	250	30
	1Q11	1.01	7.04	13.8	609	28.1	5.28	9	225	35
	10411	1	7.07	1	1		0.20	 		
MW-34s	2Q08	0.51	7.01	-111	794	7	14.84	NM-No Water	NM-No Water	NM-No Wat
19177-348	3Q08	0.15	6.4	-136.3	1240	12,1	20.19	†		NM-No Wat
		-	+					NM-No Water	NM-No Water	
	4Q08	0.48	6.62	50.7	686	13.5	14.83	NM-No Water	NM-No Water	NM-No Wat
	1Q09	0.27	7.33	23.9	557	9	5.90	NM-No Water	NM-No Water	NM-No Wat
	2Q09	0.44	7.32	-82.5	488	10	6.57	8	300	30
•	3Q09	0.36	6.51	-89	761	6.08	17.40	NM-No Water	NM-No Water	
	4Q09	2.72	7.66	-30	966	31	13.15	NM-No Water	NM-No Water	-
	1Q10	0.53	6.74	-58	500	13.1	4.31	20	70	20
	2Q10	0.39	6.58	-74.5	576	26.7	9.57	>20	250	35
	3Q10	1.00	6.16	-70	701	32.7	18.57	NM-No Water	NM-No Water	
	4Q10	0.42	6.87	-6.4	672	5.38	8.97	0.2	120	16
	1Q11	0.86	6.64	13.2	522	4.87	5.43	0.1	160	16

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring - MNA Field Data

Well ID	Event	DO (mg/L)	рН	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-35s	2Q08	0.37	6.78	-56	917	>1000	11.51	>20	310	70
	3Q08	1.5	6.35	-55	736	65	19.23	>20	260	50
	4Q08	1.35	6.87	-30.2	848	38.5	14.18	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.15	7.28	3.3	607	59	5.81	>20	225	30
	2Q09	0.21	7.36	-121.9	683	53	6.40	>20	300	30
	3Q09	0.2	6.65	-108.2	896	22.2	17.49	>20	275	80
	4Q09	3.69	8.14	-56	1109	29	13.15	>20	350	30
	1Q10	0.4	6.72	-72	556	141	4.09	>20	200	25
	2Q10	0.24	6.48	-59.5	.710	46.5	10.45	>20	250	30
	3Q10	0.22	6.51	-93	1006	840	18.58	NM-No Water	NM-No Water	NM-No Wate
*	4Q10	0.37	6.85	-59.8	557	27.1	8.72	>20	200	22
	1Q11	0.73	6.71	15.3	542	11.4	5.71	>20	160	25
		l			[.]					

Notes:

As mentioned in January 13, 2005 letter, only the MW-19 Hotspot wells will be sampled for MNA parameters due to the implementation of Source Reduction on the L.E. Carpenter property effective 1Q05.

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-6, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

NS = Not Sampled

NM = Not Measured

Lower Grab Sample

^{**} Additional field MNA parameters not required for MW-19-9D.

⁽¹⁾ Laboratory analyzed for alkalinity due to destroyed field kits.

^u Upper Grab Sample

^{*} Well was not stabalized due to well going dry.

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

)	ANALY	TICAL PARA	METER	S				
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene	Eti	nylbenzene		Toluene	То	tal Xylenes	bis-2-E	hylhexylphthalat (DEHP)
		UNITS		ug/l		ug/l		ug/l		ug/l		ug/l
APPLICABLE BACKGR 6). CONCENTRATION	AT OR BELOW			0.5		0.5		0.5		1.5		0.95
SW-D-1												
*	8-Apr-05	2Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	26-Jul-05	3Q05	<	0.2	<	0.2	J	0.5	<	0.6	<	1.0
	26-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	J	0.2	<	0.6	J	11.0
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		7.3
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		4.9	<	1.2
Dilution factor for DEHP 1.03	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.3
Dilution factor for DEHP 1.33.	27-Oct-08	4Q08	<		<	0.2	<		<	0.6	<	
			<	0.2	<	0.8	<	0.2	<			0.9
	12-Jan-09	1Q09	-	0.9			_	0.8		0.9	-	
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	21-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5	-	51
	19-Apr-10	2Q10	<	0.5	<	0.50	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5		15
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.5	<	0.5	<	1.5		NS
	7-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5		1
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.99
SW-D-2												
	8-Apr-05	2Q05		NS		NS		NS		NS		NS
	26-Jul-05	3Q05	<	0.2	J	0.5	<	0.2	1	6.1		38
	26-Oct-05	4Q05	<	0.2	J	0.6	<	0.2	J	2.0	<	1.0
	27-Feb-06	1Q06	<	0.2	J	0.8	<	0.2	J	2.7		27
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	19-Jun-06	2Q06D	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0		11
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		3
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0		1.5
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		4.4	<	1.1
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0		7.1
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6		13
Dilution factor for DEHP 5	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9		230
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
	6-Apr-09	2Q09D	<	0.9	<	8.0	<	0.8	<	0.9	J	1.0

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

					ANALY	TICAL PARA	METER	s				
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene	Et	hylbenzene		Toluene	То	tal Xylenes	bis-2-E	thylhexylphthala (DEHP)
		UNITS		ug/l		ug/l	-	ug/l	+	ug/l	+	ug/l
APPLICABLE BACKGR		,										
6). CONCENTRATION		DECTION LIMIT. 7:9B-1.5 (d)6iii (4)		0.5		0.5		0.5		1.5		0.95
	21-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	4.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	10-Nov-09	4Q09D	<	0.9	<	0.8	<	0.8	<	0.9	J	5.0
U	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5		18
	19-Apr-10	2Q10	<	0.5		0.75	<	0.5		1.6	<	0.95
111	19-Apr-10	2Q10D	<	0.5		0.78	<	0.5		1.7	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5		23
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.5	<	0.5	<	1.5		NS
	7-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5		4
11 11	12-Jul-10	4Q10D	<	0.5	<	0.5	<	0.5	<	1.5		5
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5		1.8
SW-D-3										- 6		
344-0-3	8-Apr-05	2Q05	<	0.2		21	<	0.2		79	J	2.0
	26-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	J	1.1	J	7.0
			_		+		-		1		<	
	26-Oct-05	4Q05	<	0.2	J	0.4	<	0.2	J	1.4	_	1.0
	27-Feb-06	1Q06	<	0.2		1.1	<	0.2		3.9	J	6.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	3.0
THE STREET STREET	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	11-Sep-06	3Q06D	<	0.2	<	0.2	<	0.2	<	0.6	J	3.0
41 41 41 41 4	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
11 mg 11 mg	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0		3.3
= 11 11 11 11 11 11 11 11 11 11 11 11 11	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
***	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		1.6
Dilution factor for DEHP 1.1	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.05	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		3.8	<	1.0
100	18-Feb-08	1Q08D	<	1.0	<	1.0	<	5.0		3.8	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
11 11	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.0	+	14
					_		+		+			
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	21-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
100	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5		3
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5		2.3
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.5	<	0.5	<	1.5		NS
	7-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5		1.3
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
SW-D-4												
3VV-D-4	20 112 06	2006		0.2	<	0.3	1	0.4		0.6	1	2.0
	20-Jun-06	2Q06	<		+	0.2	J	0.4	<	0.6	J	3.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0
	9-Nov-06	4Q06	<	0.2	J	0.4	<	0.2	J	0.6	<	0.9
	7-Feb-07	1Q07	<	1.0		2	<	5.0		3.8		3.3

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

					ANALY	TICAL PARA	METER	S				
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene	Et	hylbenzene		Toluene	То	tal Xylenes	bis-2-E	thylhexylphthala (DEHP)
		UNITS		ug/l	ug/l			ug/l		ug/l	+	ug/l
APPLICABLE BACKGR 6). CONCENTRATION	AT OR BELOW	TRATION (SW-R		0.5		0.5	0.5		1.5		0.95	
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		1
	4-Dec-07	4Q07	<	1.0		1.4	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.08	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		4.1	<	1.1
Dilution factor for DEHP 1.08	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0		9.2
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9		21	<	0.8	-	20		29
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	20-Jul-09	3Q09D	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
Dilution factor for DEHP 2	13-Feb-10	1Q10	<	0.5		0.96	<	0.5	<	1.5		150
	13-Feb-10	1Q10D	<	0.5		0.91	<	0.5	<	1.5	1	43
	19-Apr-10	2Q10	<	0.5		15	<	0.5		48	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	-	24
	23-Aug-10	3Q10D	<	0.5	<	0.5	<	0.5	<	1.5	-	17
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.5	<	0.5	<	1.5		NS
	9-Sep-10	3Q10D ⁽⁵⁾	<	0.5	<	0.5	<	0.5	<	1.5		NS
1977	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	-	2
-	14-Mar-11	1Q11	<	0.5		2	<	0.5		4.4	<	0.98
	14-Mar-11	1Q11D	<	0.5		2.1	<	0.5		4.6	<	0.95
SW-D-5												
= 10	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	10
	6-Nov-06	4Q06	<	0.2	J	0.2	<	0.2	J	0.8	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
11 TOS Y	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		3.4
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.1	3-Dec-07	4Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.03	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	J	4.0
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	13-Feb-10	1Q10	<	0.5		0.59	<	0.5	<	1.5	<	0.94
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
4	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5		4.6
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.5	<	0.5	<	1.5		NS
	6-Dec-10 14-Mar-11	4Q10 1Q11	<	0.5	<	0.5	<	0.5	<	1.5 1.5	< <	1.0 0.95
V 57 0	T-Wal-11	TOCTT		0.0		0.0		0.0		1.0		0.00
DRC-2												
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

					ANALY	TICAL PARAI	METER	S				
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene	Eti	nylbenzene		Toluene	То	tal Xylenes	bis-2-E	thylhexylphthala (DEHP)
		UNITS		ug/l		ug/l		ug/l		ug/l		ug/l
APPLICABLE BACKGR 6). CONCENTRATION	AT OR BELOW			0.5	0.5		0.5		1.5		0.95	
	6-Nov-06	4Q06	<	0.2	J	0.5	<	0.2	J	1.9	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
# 1 a	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	10-Nov-09 13-Feb-10	4Q09 1Q10	<	0.9	<	0.8	<	0.8	<	0.9 1.5	<	0.95
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.98
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.5	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
SW-R-1												
OW-IC-I	20-Apr-05 ⁽¹⁾	2Q05	<	0.2		17	J	0.8		99	J	2.0
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	27-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	27-Feb-06	1Q06	<	0.2	J	0.3	<	0.2	J	1.4	<	0.9
	19-Jun-06	2Q06	<	0.2	<	0.3	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06			0.2	J	0.2	<		J	1.1	<	1.0
		4Q06	<		-		-	0.2			<	
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	+ +	1.3
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11 Dilution factor for DEHP 1.18	18-Feb-08	1Q08 2Q08	<	1.0	<	1.0 1.2	<	5.0	<	3.0 5.9	< <	1.1
Dilution factor for DEHP 1.18	5-May-08 21-Jul-08		<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	3Q08 4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.0	<	0.9
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
			_		-		-		-		_	
	13-Feb-10	1Q10	<	0.5		0.55	<	0.5		2.8	<	0.95
	19-Apr-10	2Q10	<	0.5	-	0.64	<	0.5		2.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.50	<	0.5	<	1.5	<	0.95
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.50	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.50	<	0.5	<	1.5	<	0.95
	14-Mar-11	1Q11	<	0.5	<	0.50	<	0.5	<	1.5	<	0.95

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

					ANALY	TICAL PARA	METER	S				
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene	Et	hylbenzene		Toluene	То	tal Xylenes	bis-2-E	Ethylhexylphthala (DEHP)
		UNITS		ug/l	ug/l			ug/l		ug/l	ug/I	
APPLICABLE BACKGR 6). CONCENTRATION	AT OR BELOW			0.5		0.5		0.5		1.5		0.95
SW-R-2												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	J	0.5	<	0.2	J	2.3	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06D	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		1.7
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.14	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilation ractor for DETT 1.14	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
11 , 14	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
771 117 117	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
- 11	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	19-Apr-10	2Q10	<	0.5		0.5	<	0.5		2	<	0.95
, * 1 ₀₀	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.5	<	0.5	<	1.5		NS
11 11 11 11 11 11 11 11 11 11 11 11 11	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.96
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	14-10101-11	1011		0.0		0.0		0.0		1.0		0.00
SW-R-3	- 1_											
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	-	3
					_				+			
	25-Jun-07	2Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		3.9
AND AND ADDRESS OF THE	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.05	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
Dilution factor for DEHP 10	21-Jul-08 21-Jul-08	3Q08 3Q08R	<	1.0 NA	-	1.0 NA	-	5.0 NA	<	3.0 NA		150 26
		3Q08 ⁽²⁾										
	15-Aug-08	3008	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

	1				ANALY	TICAL PARA	METER	S				
MONITORING WELLS	SAMPLE DATE	QUARTER	Name /	Benzene	Eti	hylbenzene		Toluene	Tot	tal Xylenes	bis-2-Ef	thylhexylphthalat (DEHP)
		UNITS	ug/l 0.5			ug/l		ug/l		ug/l	ug/l	
APPLICABLE BACKGR 6). CONCENTRATION	AT OR BELOW	TRATION (SW-R			0.5		0.5		1.5		0.95	
	15-Aug-08	3Q08 ⁽³⁾	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Oct-08	4Q08D	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	12-Jan-09	1Q09D	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.5	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
SW-R-4												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		19
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEFF 1.11	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	13-Feb-10	1Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	19-Apr-10	2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.5	<	0.5	<	1.5		NS
	6-Dec-10	4Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	14-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
SW-R-5												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

					NALY	TICAL PARA	WETER	S				
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene	Eti	nylbenzene		Toluene	То	tal Xylenes	bis-2-E	thylhexylphthalate (DEHP)
		UNITS		ug/l ug/l		 	ug/l		ug/l	ug/l		
APPLICABLE BACKGR 6). CONCENTRATION	AT OR BELOW		0.5		0.5		0.5		1.5		0.95	
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	_<	0.9	<	0.8	<	8.0	<	0.9	<	0.9
	20-Jul-09	3Q09	_<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	8.0	<	0.9	<	1.0
SW-R-6			_									
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.14	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.11	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	_<_	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	10-Nov-09	4Q09	<u> </u>	0.9	< <	0.8 0.5	<	0.8 0.5	<	0.9 1.5	<	0.9
	13-Feb-10 19-Apr-10	1Q10 2Q10	< <	0.5	<	0.5	<	0.5	<	1.5	<	0.95 0.95
	23-Aug-10	3Q10	~	0.5	<	0.5	<	0.5	<	1.5	<	0.99
	9-Sep-10	3Q10 ⁽⁵⁾	<	0.5	<	0.5	~	0.5	<	1.5	+	0.99 NS
	7-Dec-10		<	0.5	<	0.5	<	0.5	<	1.5	<	0.95
	7-Dec-10 14-Mar-11	4Q10 1Q11	_<	0.5	_ <	0.5	<	0.5	<	1.5	<	0.95
	im-ividi- i i	IQII				Ų.Ü		υ.υ		1.0		0.80
RINSE BLANK												
RB-01		1Q08	_<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
RB-01	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
RB-01	21-Jul-08	3Q08	_<_	1.0	<	1.0	<	5.0	<	3.0	<	1.0
RB-01		4Q08	_<_	0.2	<	0.2	<	0.2	<	0.6	<	0.9
RB-01	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0

DAYCO CORPORATION/L.E. CARPENTER SUPERFUND SITE

Borough of Wharton, Morris County, New Jersey Surface Water Monitoring Data

						7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2							
				-	ANALY	TICAL PARAI	METER	s					
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene		Benzene Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
	<u> </u>	UNITS		ug/l	 	ug/l		ug/l	ļ	ug/l		ug/l	
	APPLICABLE BACKGROUND CONCENTRATION (SW-R: 6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii ⁽⁴⁾			0.5		0.5		0.5	1.5		0.95		
RB-01		2Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	1.0	
RB-01	23-Aug-10	3Q10	<	0.5	<	0.5	<	0.5	<	1.5	<	1.0	
	9-Sep-10	3Q10 ⁽⁵⁾	٧	0.5	<	0.5	<	0.5	<	1.5		NS	
RB-01	9-Dec-10	4Q10	\	0.5	<	0.5		0.5	<	1.5		16	
RB-01	17-Mar-11	1Q11	<	0.5	<	0.5	<	0.5	<	1.5	<	0.95	

ug/L = micrograms per liter

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.

(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)

LEGEND

NA = Not Applicable

NS = Not Sampled

D = Duplicate sample

R = Sample was re-run by the laboratory

B: Analyte also detected in blank

J: Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

Concentration exceeds NJSWQS (SW-R-6 concentrations)

38

NOTES

- * = Detection limit is elevated due to interference from other parameter detections. Laboratory will be contacted to lower benzene detection limit to be below the NJSWQS.
- (1) One surface water sample was collected near the edge of the river immediately adjacent to the location of absorbent booms that were placed in order to prevent any migration into the river of sheen observed on top of quiescent water ponded within the wetland area. Due to bottle mislabeling and laboratory error, each of the five river sample bottles (R-1 through R-5) were analyzed individually instead of as a whole set. The highest concentration detected in any of the five laboratory results for the river sample are listed under SW-R-1 for April 2005.
- (2) Due to believed lab contamination of the original sample, surface water location SW-R-3 was resampled and the sample alaquot was split between two labs. These results are from Environmental Science Corporation (ESC).
- (9) Due to believed lab contamination of the original sample, surface water location SW-R-3 was resampled and the sample alaquot was split between two labs. These results are from Lancaster Laboratories (Lancaster).
- (4) Per NJDEP request, along with a change in laboratories, the detection limits for the Site COCs were lowered.
 (5) Due to laboratory error, original BTEX samples were analyzed outside the holding time. Surface water locations were resampled and analyzed within the appropriate holding times.

J:\01545\46\01545.46.01.dwg LUCIDO, SAM 0.000500

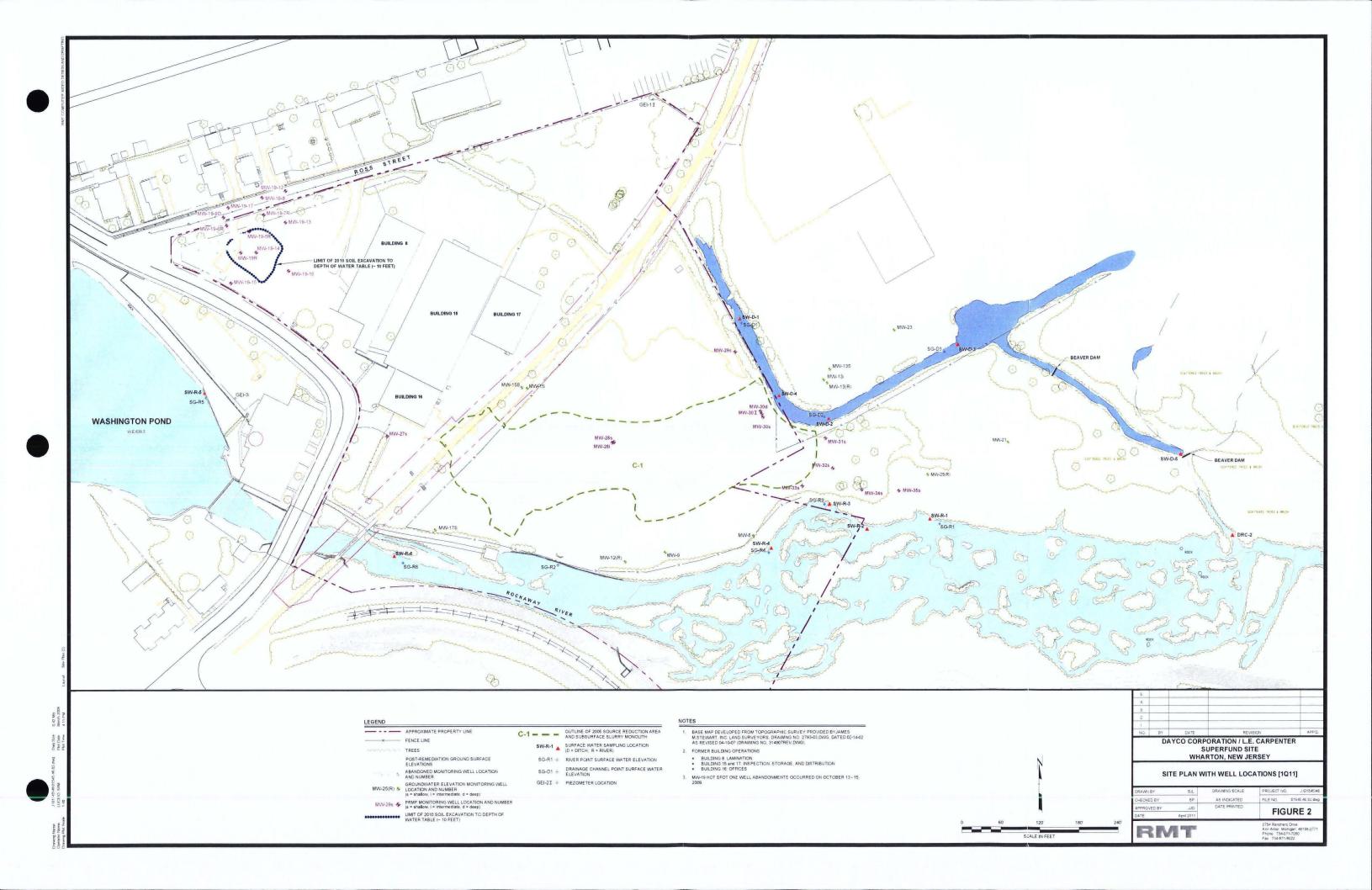
PLOT DATA
J:\01545\46
Drawing Nan
Operator Name.
LUCIDO, S/
Drawing Plot Scale: 0.000500

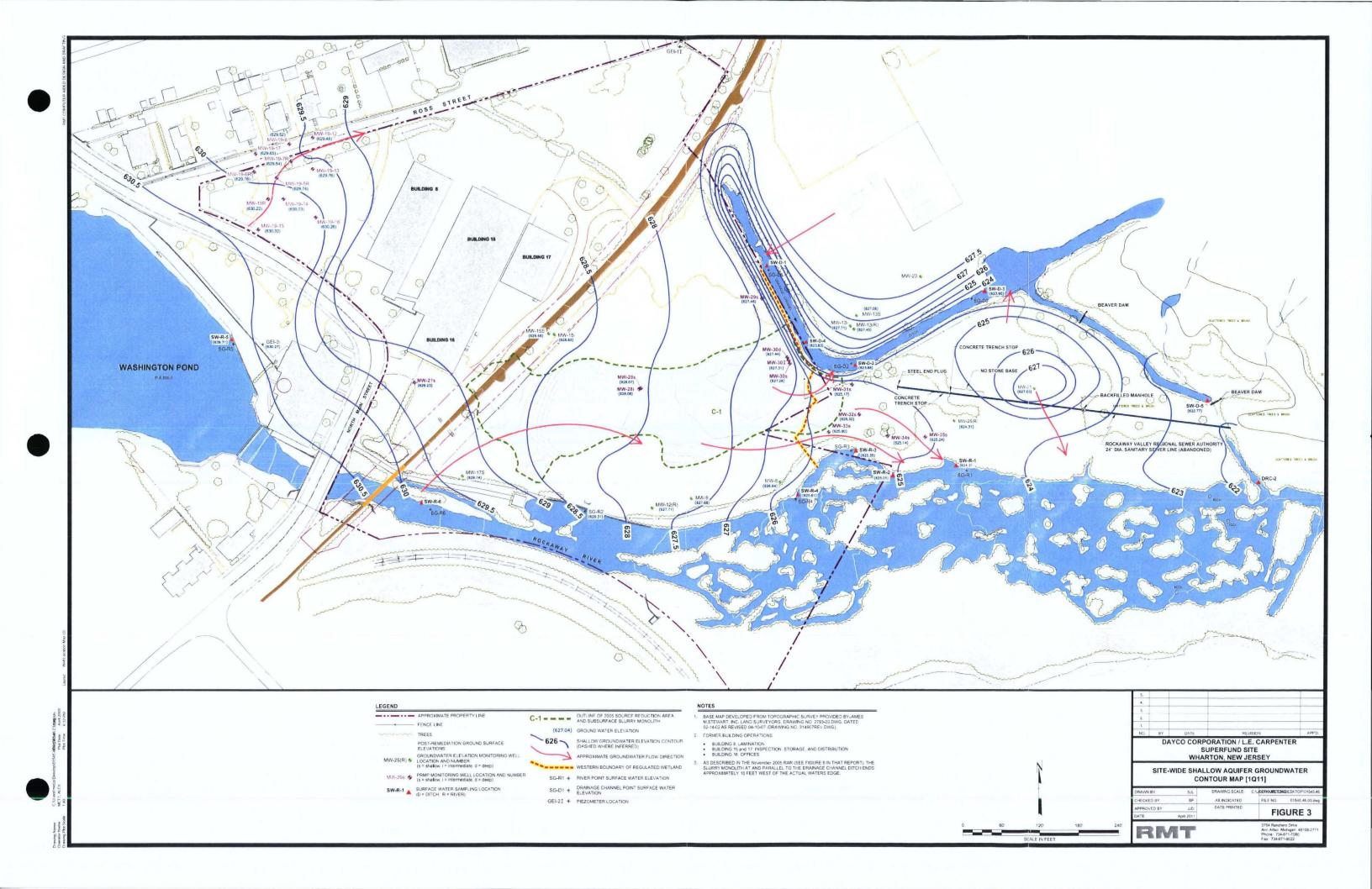
3754 Ranchero Drive
Ann Arbor, MI 48108-2237
Phone: 734-971-7080 • Fax: 734-971-9022

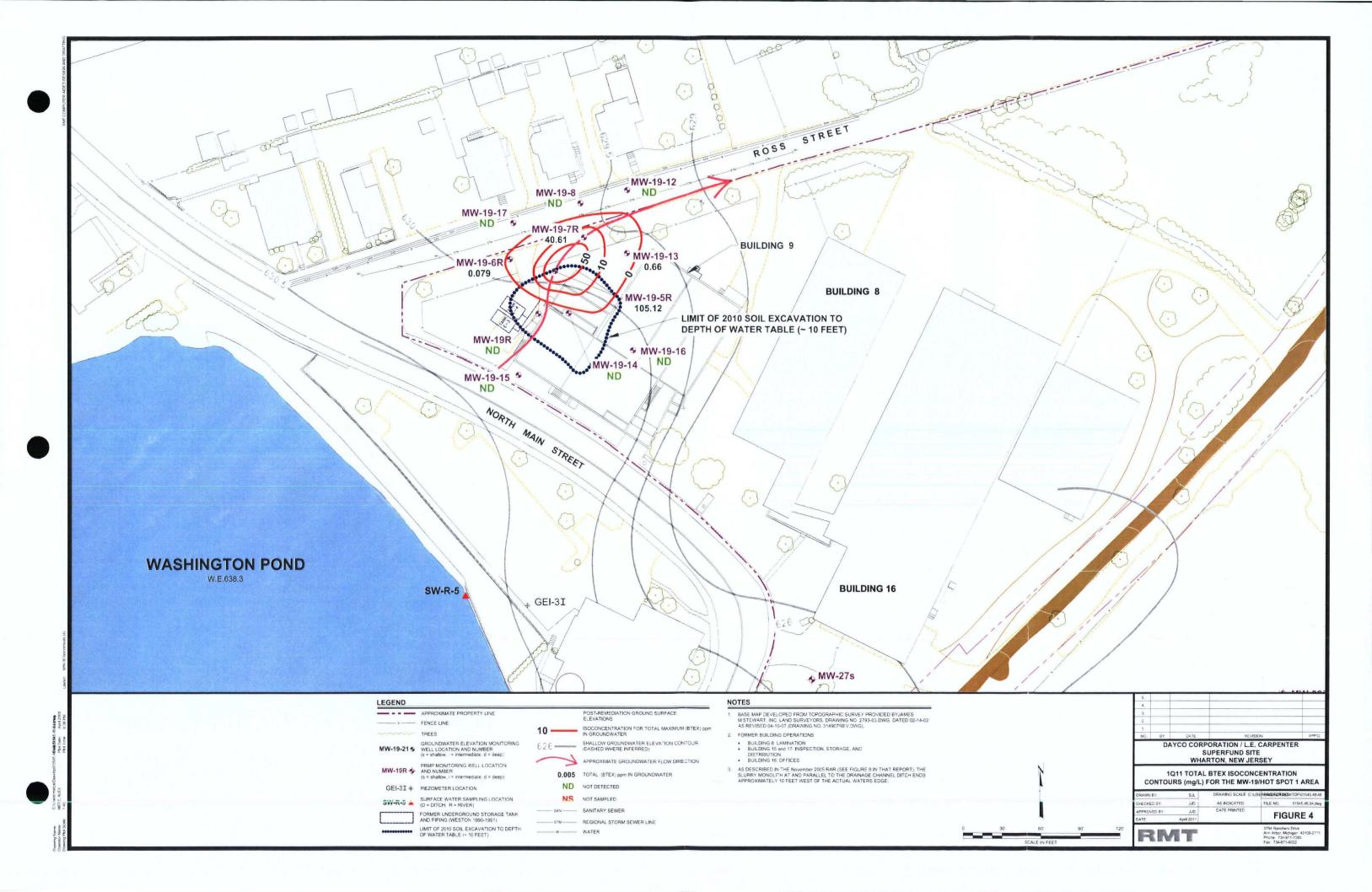
DAYCO CORPORATION / L.E. CARPENTER SUPERFUND SITE WHARTON, NEW JERSEY

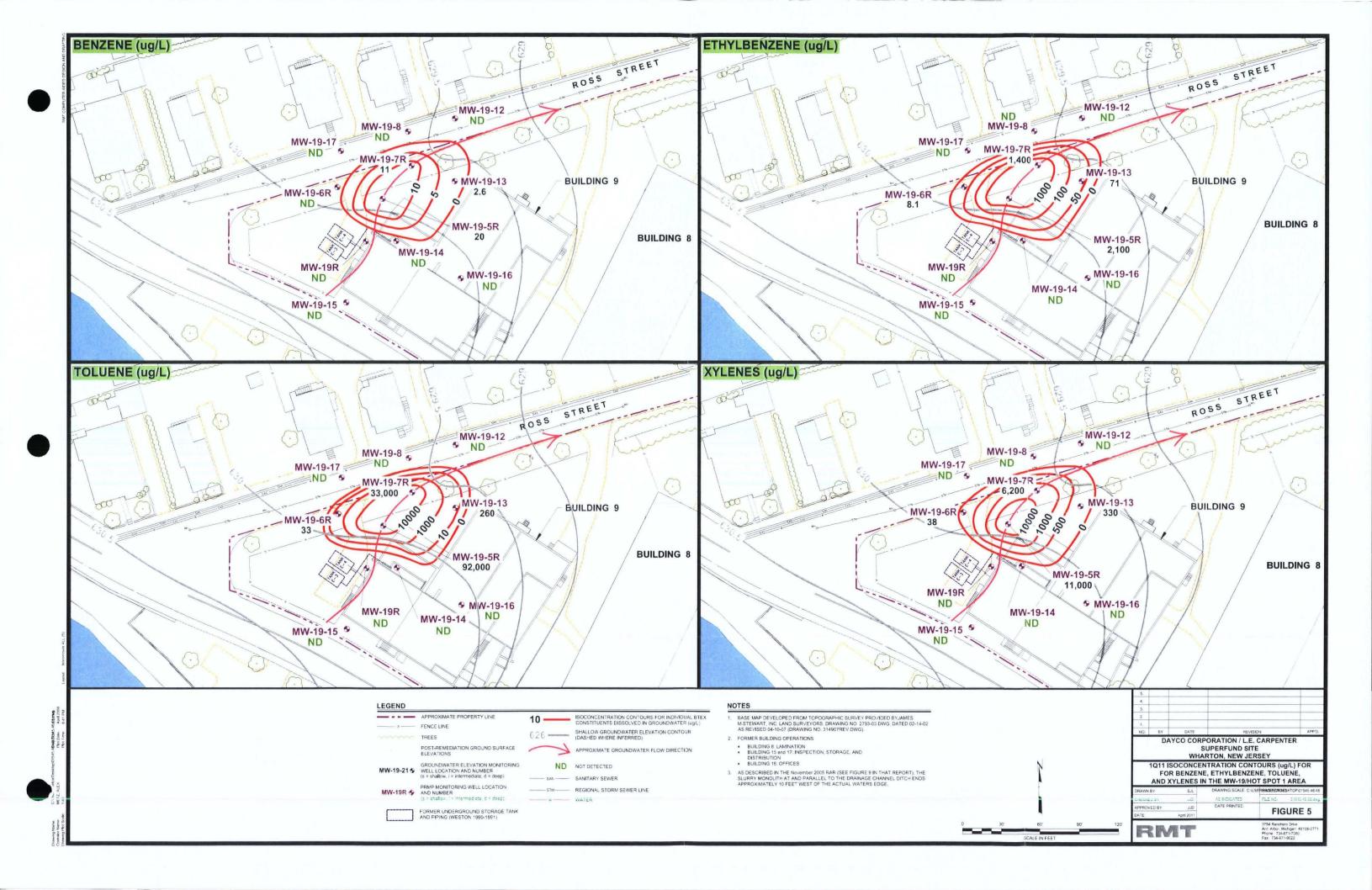
> SITE LOCATION MAP 1st QUARTER 2011

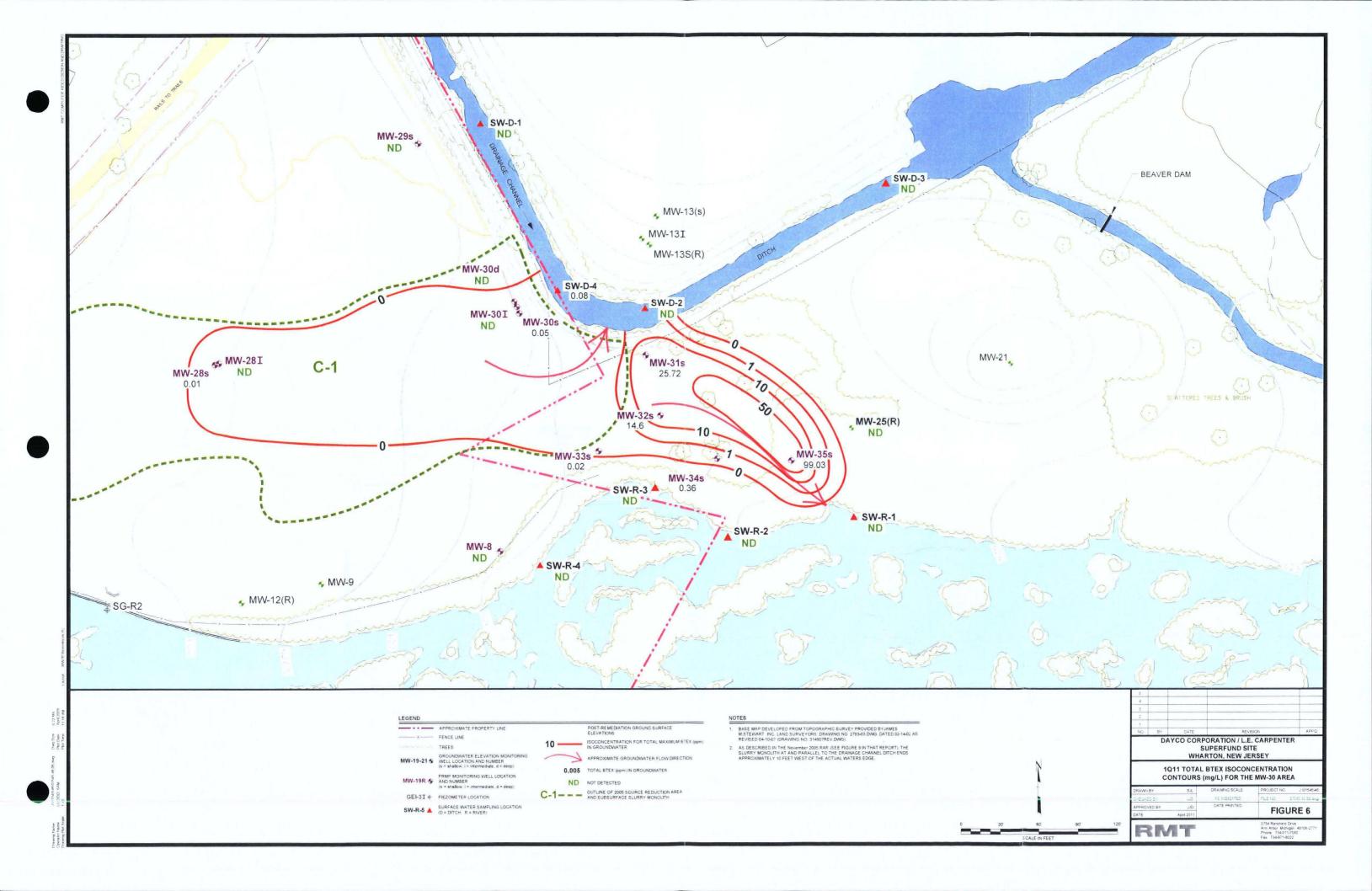
DRAWN BY:	SJL
CHECKED BY:	JJD
APPROVED BY:	JJD
DRAWING SCALE:	SHOWN
PROJECT NUMBER:	J:\01545\46
FILE NUMBER:	01545.46.01.dwg
DATE:	April 2011

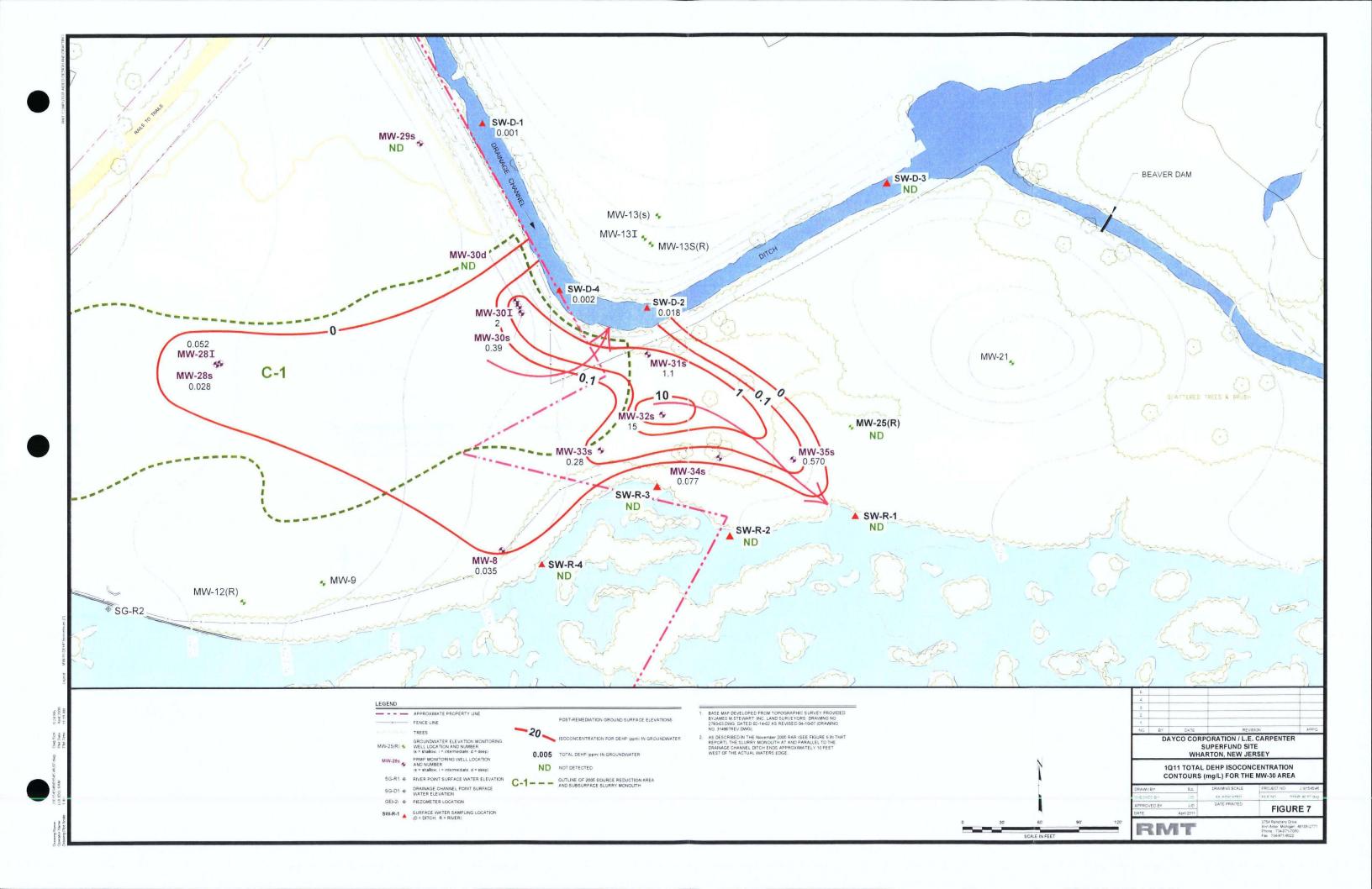












Appendix A Photographic Summary and Field Data Forms



Client Name: Site Location: Project No.:

DayCo/LE Carpenter & Company Wharton, NJ 01545.46.001

Photo No. Date
1 3/17/11

Description

Standing just East of Main Street looking East at the restored MW19HS1 remediation area.

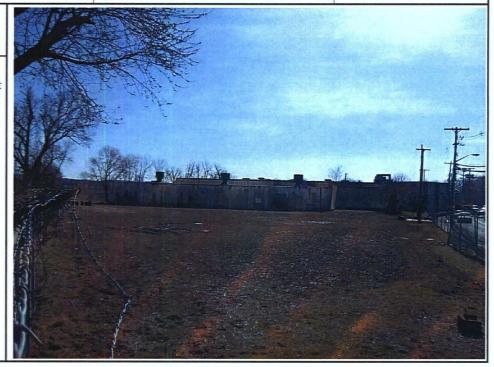


Photo No. Date
2 3/17/11

Description

Standing near MW-29s looking Southeast toward MW-30D, 30I, and 30S and the wetland area.





Client Name: Site Location: Project No.:

DayCo/LE Carpenter & Company Wharton, NJ 01545.46.001

Photo No. Date 3 3/17/11

Description

Standing near MW-30D, 30I, and 30S looking Northwest across the MW-30 site.

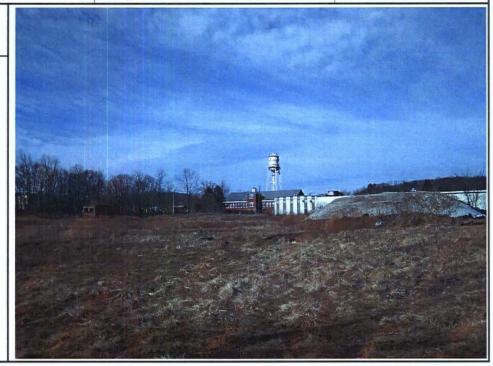
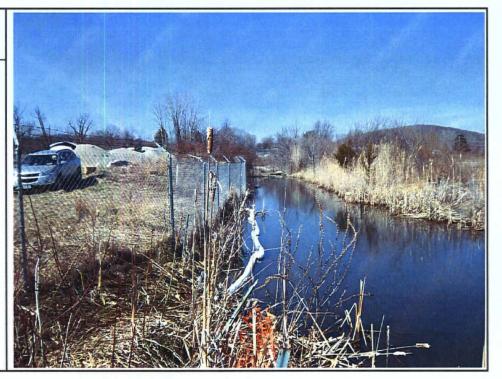


Photo No. Date
4 3/17/11

Description

Standing South of SW-D-4 looking upstream (North) in the drainage ditch. Photo also shows the replacement absorbent boom sections placed in the ditch during 1Q11 event.





Client Name: Site Location: Project No.:

DayCo/LE Carpenter & Company Wharton, NJ 01545.46.001

 Photo No.
 Date

 5
 3/17/11

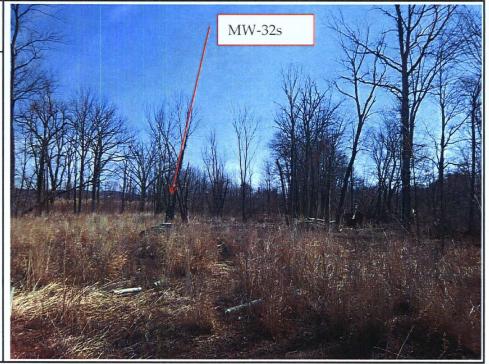
DescriptionStanding near SW-D-4 looking downstream (East) in the drainage ditch.



Photo No. Date
6 3/17/11

Description

Standing near the wetland boundary looking East into the wetland area. MW-32s is shown in the photograph.





Client Name: Site Location: Project No.:

DayCo/LE Carpenter & Company Wharton, NJ 01545.46.001

Photo No. Date 7 3/17/11

Description

Standing at MW-35s looking West across the wetland area.

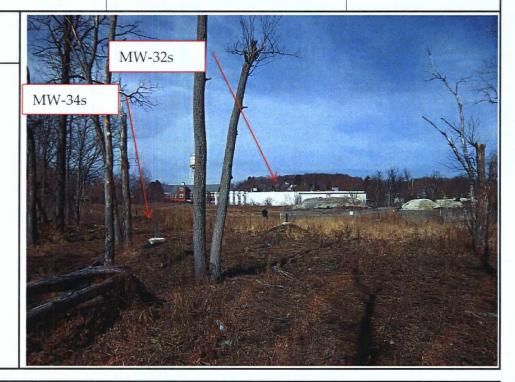


Photo No.	Date
8	3/17/11

Description

Standing near SW-R-1 looking just upstream at the replacement absorbent boom section placed in the Rockaway River.



Client Name: Site Location: Project No.:

DayCo/LE Carpenter & Company Wharton, NJ 01545.46.001

Photo No. Date 9 3/17/11

Description

Standing near DRC-02 (ditch river confluence) looking downstream toward the Rockaway River. Note the flooded conditions observed during the 1Q11 sampling event.



Photo No. Date
10 3/17/11

Description

Standing near DRC-02 looking upstream (North) toward the former beaver dam and SW-D-5.





Client Name: Site Location: Project No.:

DayCo/LE Carpenter & Company Wharton, NJ 01545.46.001

Photo No. Date
11 3/17/11

Description

Standing near SW-D-5 looking downstream the ditch leading toward the Rockaway River.



Photo No. Date
12 3/17/11

Description

Standing immediately downstream from SW-D-5 and former beaver dam.





• ENVIRONMENT • ENERGY • ENGINEERING

PROJECT NAME:	LE Carpenter
PROJECT NUMBER:	01545,46.001
PROJECT MANAGER: _	Barry Culp
	470 M Main Otros M
SITE LOCATION: -	170 N. Main Street Wharton, NJ 07885
-	Whaton, No 07000
· · · · · · · · · · · · · · · · · · ·	
DATES OF FIELDWORK:	3/14/2011 TO 3/17/2011
_	1Q11 Sampling Event
· · · · · · · · · · · · · · · · · · ·	
PURPOSE OF FIELDWORK:	
-	, t
· •	
•	
	S. Middlebrook/ S. Pawlukiewicz
WORK PERFORMED BY:	
•	

SIGNED Aveling 3/18/11



GENERAL NOTES

PROJECT NAMI	E: l	LE Carper	nter] [DATE: 3	/14/	I_{ll}	TIME ARE	RIVED: 1044
PROJECT NUM	BER:	018	545.46.001		F	\UTHOR:		6. Middlebrook/ S. Pawlukiewicz	TIME LEF	T: 1830
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_	PURSE WETLAND WELLS: (MW-355, MW-345, MW-325,	
	MW-335, MW-3/5)	
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	COLLECT SURMOR WOIER SAMPLES: DRC-02, 5W-D-5	,
	5w-R-4 Sw-R3, Sw-R-2 Sw-R-1, Sw-D-4 Dp	-0
	5W-R-6, 5w-D-3, SW-D-2 (MS/MSD), 5w-0-1.	
		-6

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D. Co	UP	RMT	STATUS UP	DATE		
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S. Parlementer 3/14/11
SIGNED DATE

CHECKED BY 4/19/11

DATE



SIGNED

REVISED 03/2008

GENERAL NOTES

ROJECT NAME: LI	E Carpenter	DATE: 3	15/11	TIME ARRIVE	D: 0715
ROJECT NUMBER:	01545.46.001	AUTHOR:	S. Middlebrook/ S. Pawlukiewicz	TIME LEFT:	
	,			· · · · · · · · · · · · · · · · · · ·	
THE PERSON NAMED IN THE PE		er e og er			
MPERATURE: 40	*F WIND: 5-10	2 MPH	VISIBIL	ITY: Clear	· · · · · ·
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Amp/80: Ml	J-19-12, MW-19- -295, MW-7 275 DRY	8, Mu	~19-17, MW	19-15 Mu	-19-16
	-295, MW-7	25(R)	, Mw-8,	46-281	MUZYSA
myos Me -	275 DRY				
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DATE

CHECKED BY

DATE

GENERAL NOTES

			·		
OJECT NAME: LE C	Carpenter	DATE: 3/	4/11	TIME ARRIVED: 6	700
OJECT NUMBER:	01545.46.001		S. Middlebrook/ S. Pawlukiewicz	TIME LEFT: 180	Ø
ET. 1 . S SON OFFICE GROWING FOR	The second of th	and the contract of the contra			* * * * * * * * * * * * * * * * * * *
PERATURE: 40	°F WIND: 0-1	O _{MPH}	VISIDU	TY Zaman MAX	
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Anoleo: N	W-300, M	4-302	MW-305	, MW-27	25
N	10-300 M 19-14619 19-68 N	W-19R	Me -19-	5R, Mu 19-1	3,
Nu	0-19-6R, N	16-19-78	<u>ڏ.</u>		
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	3/16/1				

CHECKED BY

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REVISED 03/2008



GENERAL NOTES

PROJECT NAME: LE Carpenter PROJECT NUMBER: 01545.46.001	DATE: 3			
PROJECT NUMBER: 01545.46.001		11+/11	TIME ARRIVED: 07	<i>0</i> 0
	AUTHOR:	S. Middlebrook/ S. Pawlukiewicz	TIME LEFT: /6/	5
	5.51000 			
TEMPERATURE: 50 °F WIND:	0-10 MPH	VISIBIL	ity: Clear	
	sagaing gagaintean i sagaint sagaing is ann an	La Company		48
Q 1 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	1 1 1/11/2	75. Jus	7U1 /1101-27	·
Suples WETLOW WEL	05 · /010-	S WW	<u>1595, 20160-33</u> [5	<u> </u>
Collected Rinse Blank	Samples:	1213-01	KB-02/1C18.	-0S
Ste Inspection/pho	105.			•
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Bay Part	<u> </u>	·		
Bay But	<u> </u>	·	4/19/11	

DATE



EQUIPMENT SUMMARY

PROJECT NAME: LE Carpenter	SAMPLER NAME: S. Middlebrook/ S. Pawlukiewicz
PROJECT NO.: 01545.46.001	S. MILLURENCE S. FAMILLIEWICE
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NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
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To the the state of the Call o	PROJECT DEDICATED
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
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BLADDER PUMP (QED SAMPLE PRO)	RMT GR
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (QED SAMPLE PRO)	RMT GR
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
GEOTECH DISPOSABLE FILTER	0.45 MICRON
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
DISPOSABLE POLY TUBING	CI LOW SLOW SAMPLING SYSTEM
TUBING TYPE	LOW-FLOW SAMPLING EVENT
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GROUND DRUM POTW	POLYTANK OTHER
STORE BOUGHT	STORE BOUGHT
POTABLE WATER SOURCE	DI WATER SOURCE
Stall 3/14/11	R. Punta 4/19/11
SIGNED DATE	CHECKED BY DATE



WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter			MODEL:	45£ 556	SAMPLER:	SM/SP
PROJECT NO.:	01545.46.001			SERIAL#:	PROJECT GRA	DATE: 3-14	1-11
PHO	CALIBRATION C	HECK			SPECIFIC CONDI	JCTIVITY CALIB	RATION CHECK
Market All All All All All All All All All Al	et et l	Managania (S)	WITHIN		9251939		WITHIN
6.7117.00	4.04	4.00 1	WITHIN 1334	1	723 101	7.49	RANGE / 33
 	 		WITHIN	1	, ,		RANGE WITHIN
,	, , , , , , , , , , , , , , , , , , ,		WITHIN	1	1		RANGE
ORP	CALIBRATION	CHECK	RANGE	┙┟╴	D.O. CA	LIBRATION CHE	CK RANGE
				The second secon			
236 253	7.61	,lz	RANGE / 340		9.93		WITHIN RANGE / 339
, /			RANGE	-			RANGE
/			RANGE	4			RANGE
TUBBIT	ITY CALIBRATIO	ON CHECK	RANGE	J L	<u> </u>	COMMENTS	RANGE
ALCONO TORBIC	ATT OALIBRATIC	SN ONEON			Marine in the second of the se		
					CALIBRATED PARAMETERS		S AND EXPIRATION DATES LIBRATION CHECK
10.02 1 10.0	1.16	1.0	WITHIN	9 -	pH pH	pH: +/- 0.2	
10.02 10.0	1		RANGE /342		☐ COND	[]	OF CAL. STANDARD
	 		WITHIN	1	ORP	ORP: +/- 25 r	4
1	 		WITHIN RANGE	1	☐ D.O.	D.O VARIES	S
	NOTES	<u>.</u>	KANGE	-	TURB		OF CAL. STANDARD
short Sampl							ANGES ARE SPECIFIC TO E WATER QUALITY METER
	19/1/6467 · · · · · · · · · · · · · · · · · · ·	en e	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			and Marie	
	none					·	
S co Mu	Ull	3-7	14-1/		R. Prote		4/19/1



WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter		MODEL:	Y5I 4	556	SAMPLER	t: SM/SP
PROJECT NO.:	01545.46.001		SERIAL#:	PROJECT		DATE:	3-15-11
PH	CALIBRATION CHECK		7				CALIBRATION CHECK
			ACT				
7.35 1 7.00	3.47 1 4.00	WITHIN RANGE 0756] [927 1	865	4.6	8 WITHIN RANGE 0759
6.95 7.00	4.07 / 4.00	WITHIN RANGE /233	/	1066 	1018	10.	WITHIN RANGE
ORI	P CALIBRATION CHECK	RANGE	J ├-	<u> </u>	D.O. CAI	IBRATIOI	N CHECK
And the same of th		WITHIN					T WITHIN
243 /258	4.14	RANGE USO	4 !		9.86	_	RANGE ONS
251.1248	12,40	RANGE 24 WITHIN RANGE RANGE			0.78		RANGE /242
TURBI	DITY CALIBRATION CHE			· ·		COMME	
	No. 10 (170 年)			CALIBRATED P	ARAMETERS		UMBERS AND EXPIRATION DATES DER CALIBRATION CHECK
1.02 11.0	9.62/10.0	WITHIN RANGE 0804		□ рН		pH:	+/- 0.2 S.U.
1	1	WITHIN RANGE		CONI	D	COND:	+/- 1% OF CAL. STANDARD
. 1	. 1	WITHIN		☐ ORP		ORP:	+/- 25 mV
1		WITHIN RANGE]	D.O.	•	1	VARIES
	NOTES		-	TURE	3	TURB:	+/- 5% OF CAL. STANDARD
							ATION RANGES ARE SPECIFIC TO IL OF THE WATER QUALITY METER
ng. Page V	2000年10日	A CHARLES AND A SHOP A SH	entratar entra			7 M s	Maria Shakiri in Shaki
	None						
						,	**************************************
Sant Mus	Well:	3-5-11 DATE		R_R_	ect.		4/19/11 DATE



WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter		MODEL:	YSI 556	•	SAMPLER:	SM/SP
PROJECT NO.:	01545.46.001		SERIAL #:	PROJECT		DATE: 3-	16-11
DH	CALIBRATION CHECK		J				IBRATION CHECK
	The state of the s						
6.75 17.00	3.86 / 4.00	WITHIN 0849			914	6.19	
6.70 / 7.00	4.141 4.00	WITHIN RANGE (330) WITHIN RANGE RANGE		186 1	982	8,9	WITHIN RANGE () 32
ORF	CALIBRATION CHECK	RONGE			D.O. CAL	IBRATION C	
265/251	6.43	WITHIN RANGE 0953			8.17		WITHIN
24.1 251	9.75	WITHIN RANGE WITHIN RANGE WITHIN RANGE			9,21		RANGE OSS 5 WITHIN RANGE WITHIN RANGE WITHIN RANGE
TURBI	DITY CALIBRATION CHE	CK		en a la fortale de requestra a	appear and a second	COMMENT	S (** ***
ASSESSION OF THE SECOND OF THE	vi. ega a mesa a menerasar a			CALIBRATED PA	RAMETERS		ERS AND EXPIRATION DATES CALIBRATION CHECK
9.82 110.0	1.00 1 1.0	WITHIN RANGE 08 54		рН		pH: +/- 0).2 S.U.
1	1	WITHIN		COND		COND: +/- 1	% OF CAL. STANDARD
. 1	1	WITHIN RANGE		☐ ORP		ORP: +/- 2	25 mV
1	. 1	WITHIN RANGE		☐ D.O.		D.O.: VAF	RIES
	NOTES	<i>3</i> .	_	TURB		TURB: +/- !	5% OF CAL. STANDARD
				<u> </u>		(1) CALIBRATIO THE MODEL OF	N RANGES ARE SPECIFIC TO THE WATER QUALITY METER
				· .·			
					E (h)		
	Lon L			•		•	
Bost Mill SIGNED	h 3	-/6-// DATE		R. PA	oots		4119/((



PROJECT NAME:	LE Carpenter	<u> </u>	MODEL:	RED MA	no	SAMPLER:	SM/SP	
PROJECT NO.:	01545.46.001	:	SERIAL#:	PROJE		DATE: 3// 5	111	
PH (CALIBRATION CHECK			SPEC	CIFIC COND	UCTIVITY CAL	BRATION C	HECK
			A Company of the Comp		S A S S S S S S S S S S S S S S S S S S			
7. 85 / 7.00	3.91 14.00	WITHIN PANGE		1395	11413	4.81	WITHIN	080
1.07 17.00	4.22 14.00	WITHIN 1402		1392	1 1413	7.86	WITHIN RANGE	1408
	1 .	WITHIN			1		WITHIN RANGE	
	/	WITHIN RANGE]		1		☐ WITHIN RANGE	
ORP	CALIBRATION CHECK		la de	· 特殊與 (初十)	D.O. CA	LIBRATION CH	IECK	
Sec.								
771 1757	5,00	WITHIN PANGE] }		8.99	5	WITHIN	081
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		WITHIN			•	,	WITHIN RANGE	
.1		WITHIN RANGE					WITHIN RANGE	
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10/800/825/10	18/20 103/70	RANGE COTS]]	☐ pH			2 S.U.	
		RANGE	1 1		OND		% OF CAL. STAI	NDARD
		RANGE	-	☐ of		ORP: +/- 25		
		RANGE	J	D.		D.O.: VARI		
	NOTES		- 1	LJ TU	JRB	TURB: +/- 5	% OF CAL. STAI	NDARE
						(1) CALIBRATION THE MODEL OF	I RANGES ARE SE THE WATER QUA	PECIFIC LITY ME
			_]	•				
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S. Paulik	3/15	5/11		7.0	noctes	4/	9/11	(
SIGNED	<i>X</i> .	DATE		CHECK	EUDI			DAT



WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter		MODEL: QE	in MPRO	SAMPLER:	SM/969
PROJECT NO.:	01545.46.001			PROJECT	DATE: 3/14/11	
. РИ	CALIBRATION CHECK			SPECIFIC COND	ICTIVITY CALIB	RATION CHECK
	OALIBRATION OFFICE			GFEGILIO GOND	SONVIT GALLE	A TON OTHER
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6.78 17.00	3.93 14,00	RANGE 0802	1 14	23 1 1413	7.28	WITHIN RANGE STOP
	1	RANGE		1		WITHIN RANGE
	ļ	RANGE	-	<i>I</i>		RANGE
OPE /	CALIBRATION CHECK	RANGE	J .	/ DO CA	LIBRATION CHE	RANGE
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1		WITHIN RANGE]			WITHIN RANGE
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選挙 利定 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						S AND EXPIRATION DATES LIBRATION CHECK
(notes 1 de las	18.6/20 1 0.31/0.	WITHIN PRANCE 08/2	**	ALIBRATED PARAMETERS PH	pH: +/- 0.2	to the design to the order of the week of the second
679/100 / 81/100	18.6/20 0.31/0.	WITHIN		_		OF CAL. STANDARD
	1 7	RANGE WITHIN RANGE	-	ORP	ORP: +/- 25 m	•
	. ,	WITHIN] D.O.	D.O.: VARIES	S
	NOTES	·	-1 . [TURB	TURB: +/- 5%	OF CAL. STANDARD
]]	- (1) CALIBRATION R	ANGES ARE SPECIFIC TO E WATER QUALITY METER
Target W		Find 182		189 - Allegeria 16 - Allegeria	Libraria de la Santa.	
all and the same		e esta policia lingua. La companya di salah periodia di salah periodia di salah periodia di salah periodia di s La companya di salah periodia di salah	sa kiloden i ili. 1968 je		inche ig the second	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
	·					
SIGNED Paul	1 3/	DATE DATE		R. PLOCET		4AQ/U DATE
3.5.125	0			Juguet of		DATE



WATER LEVEL DATA

PROJECT NUMBER:	01545,46.00)1				3-14 - R: S. Mide		. Pawlukie
							17 m	300) T. S.
			digitalism	***		18 1 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		200
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			Magnety of the second		# 5 · · · · · · · · · · · · · · · · · ·		HAR E	
MW-19-7R	1254		5.43	15.	58			
MW-19-12	1290	·	4.98	16.	18			
	学校2							
MW-19-14	1250		4.59	16.0	6			
MW-19-16	1247	. Newspire of the same and the same	4.09	15.9	0			
	2. dn							
GEI-3I	12558		8.98	_	-			
and the second s		esergio	255 1 - 5 - 7 - 11	227.1	- 1450 - 1450	n n ef vinn i i i i i i i i i i i i i i i i i	FIRE ACTION SACOR	DESCRIPTION CON
A State of								
MW-21	1419		1.15					
	91. 1911 - Santia Santia		Brown & Br	£/de	. Field	· All The built of the		FAMERICA
MW-28S	1349		5.07	18:	70		٠.	•

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

5.20

0.70

/363

1357

4119/11

CHECKED

14.65

18.16

DATE

MW-29S

MW-30I

WATER LEVEL DATA

PROJECT NAME:	LE Carpenter		DATE: 3/14/11	
PROJECT NUMBER:	01545.46.001			ebrook/ S. Pawlukiew
	ita Masalas III - Asalas II - II Asalas III. I			
THE PERSON AND THE PE				
MW-31s	1551	4.65	NM _	
MW-33s	1624	5.11	NM	
			Product not mans an	
MW-35s	1350	3.95	VM MAN 18	Whindicates
	and the species of a property of the second	a care of the care	公司: 克克[[8], \$\$\$\$ \$7.50 ************************************	
SW-D-2	1800	2.21	THE COLUMN TO THE STATE OF THE	
SW-D-4	1655	1.19	Dep-01)	
SW-R-1	1605	1.56		
Anthony of the State of the Sta	· 1000 ·			
SW-R-3	1625	0.90		
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SW-R-5	1257	0.95		
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SG-R2	1342	1.10		
	Hana I k	्राच्या चार्चा क्षा विकास करते हैं। जिल्हा		

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 ± 0.00 T/PVC).

Sox mille	3-14-11	R Proof	419/	4
SIGNED	DATE	CHECKED		DATE



WATER LEVEL DATA

PROJECT NAME: LE Carpenter						DATE: 3-14-11			
PROJECT NUMBER:	01545.46.0	01			AUTHO	R: S. Middle	brook/ S. Pawlukiew		
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					e signi				
MW-15I	1310	Class	7.41	Die Salen i	. A TOO PLACE.	22 000 to 000 000 000 000 000 000 000 000			
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				A 31					
MW-12R	1340	·是要的。 17 - 2012年11月2日 11月 - 1	6.0Z	25771 157550					
						\$2.5 sm. 2			
MW-8	1334		1.55	20.	28		7 - Z628/42 - 11-10 SAC \$88 - 51		
200	Elegania su	Frei distrib							
MW-13I	1743		2.35			sko to plane.			
型点 新元	o, Gr. ok imilit						12 Annual Control		
		题子 344 · 李林家里	110000000000000000000000000000000000000	(五年 震響)					
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12 1 W 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15		e Maria	144	3		*:			
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		I	<u> </u>						

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

5/20 kh; 3/14/11

SIGNED DATE

P. Prote

4/19/11 DATE

AIRBILL NUMBER: \$58(525/2325)

DATE SIGNED: 3-/5-//

RA	AT	1		WA	ΓE	R	SA	MPLI	E LOG				
PROJECT	IAME:	LE Carp	enter			5							
PROJECT	IUMBER:	01545.4	6.001			ву	:	SP	DATE: 3/4	41 BY:	RP	DATI	E: 4/19/11
of the large of the				v	VELL	_ DIA	METE	R: 🗸 2"	4"	6" \[\sqrt{OT}	IER N/A		
VELL MATE]PVC [SS	☐ IRON	1] GA	LVAN	IIZED STE	EL	☑ OTH	IER N/A		,
SAMPLE TYP	'E: [] GW []ww	☑ sw] DI		LE/	ACHATE	П ОТН	IER		
		TIME:		DATE:				ere La est		TIME: /4	75	DATE:	3-14-11
PURGE	F	PUMP _						PH:	sı	U CONDU	CTIVITY:_		umhos/cm
METHOD:	<u></u>	BAILER	· 	·	_			ORP:	m	V DO:		mg/L	
DEPTH TO V	NATER: _		T/ PVC	\angle				TURBIDIT	Y :	NTU			
DEPTH TO E	BOTTOM:_		T/ PVC					NONE	SLIC	GHT 🗌	MODERA	re [VERY
WELL VOLU	ME: _		LITERS			LONS		TEMPERA	TURE:	°€	OTHER:		·
VOLUME RE	MOVED:_		LITERS		GALI	LONS	}	COLOR:	<u> </u>	_/_	ODOR:		
COLOR:				ODOR:			_]	FILTRATE	(0.45 um)	YES	☑ NO		
_ : /	_	TURB			_		-	FILTRATE			FILTRATE		
NOME	SLIC		MODERAT			/ERY		QC SAME		MSD	U DUP-	<u> </u>	<u> </u>
ØISPOSAL I	METHOD:[GROUN	D 🗀 DR	UM 🔲	ОТН	ER		COMMEN	IIS:				A Company of the Comp
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					WH			•	READINGS				
pH: +/-	e en anna	DDESERV		ORP: +/-			D.O.:		TURB: +/-	· · · · · · · · · · · · · · · · · · ·	· =</td <td></td> <td>ЛР.: +/- </td>		ЛР.: +/-
NUMBER	SIZE	PRESERV/ TYPE	PRESER			NE ILTEF		HNO3 NUMBER		4 D-Nac		E - HCL RVATIVE	F
2	40 mL	VOA	E		_		N N		N SIZE		I INCOCI		
2	1 L	AMBER	F	·		—- Ξ	7 N			:	<u> </u>	<u> </u>	
			<u> </u>			ΥΓ	7 N	 				- ; ; ; ;	
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DATE SHIPPED: SIGNATURE:

COC NUMBER:

SHIPPING METHOD:

										PAGE	/6	OF 65
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PROJECT	3.5 4.774	LE Car	penter			Tree of					a a a a a a a a a a a a a a a a a a a	
PROJECT	NUMBER	: 01545.4	16.001		BY:	(CASE	SP [DATE: 3-10	1// BY: PU	Asign colon als and Right	DAT	E.4/19/11
WELL MATE		PVC	ss	V IROI	VELL DIAM			4" 🔲	OTHE	R N/A		
SAMPLE TY	PE: [] GW	□ww ✓	sw	ום		LEA	CHATE	ОТНЕ			
	a landskit	TIME:	DA	TE:		. nepils			TIME: SAL	11_143	ATE:	7/14/11
PURGE		PUMP			/	1	PH:	SU				_ umhos/cm
METHOD:		BAILER					ORP:	m\	/ DO: _	m	g/L	/
DEPTH TO	WATER:		T/ PVC	_		$oxed{oxed}$	TURBIDITY	/:	_ NTU	· ,		
DEPTH TO	BOTTOM:		T/ PVC				NONE	SLIC	энт 🔲 м	MODERATE	[VERY
WELL VOLU	ME:	لرنيا	LITERS		GALLONS	Ŀ	TEMPERAT	URE:	°c	HER.		
VOLUME RI	EMOVED:		LITERS	<u> </u>	GALLONS		COLOR:			DDOR: _		
COLOR:			00	OR:			FILTRATE ((0.45 um)	∐YES	J NO		
□ NOME DISPOSAL	SLIC	энт 🔲	MODERATE ID DRUM		VERY		COMMENT	E: MS/		DUP-	OCK:	
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NO 1 pH: +/-		LIZATION T COND.: +/-	EST IS COMPI ORP				CESSIVE R +/-	EADINGS A TURB: +/-	ARE WITHIN T			iMits: IP.: +/-
	ر چیک در کار راید	PRESERV	ATIVE CODES	Α-	NONE	В-	ниоз	C - H2SO4	D - NaOH	E - 1	ICL	F
NUMBER	SIZE	TYPE	PRESERVAT	VΕ	FILTERE	D	NUMBER	SIZE	TYPE	PRESERVA	TIVE	FILTERED

•						-						
. 1.	**************************************	PRESERV	ATIVE CODES	A - I	NON	E	В-	HNO3	C - H2SO4	D - NaOl	E - HCL	F
NUMBER	SIZE	TYPE	PRESERVATI	Æ	FIL	TER	ED	NUMBER	SIZĖ	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E			<u> </u>	N					□ Y □ N
2	1 L	AMBER	F		□ Y	, [J	N					□Y □N
					□ Y	, [N					□Y □N
					□	, [] N			•		□Y □N
					□ Y	, [] N					□ Y □ N
SHIPPING	METHOD:	Foot	DA DA	TE S	SHIP	PED	:	3/15/4	/	AIRBILL	NUMBER: 8581	52512328
COC NUM	BER:	NA	SI	GNA	TUR	E:		5/ou	·les	DATE SI	GNED: 3/	3/11
		***************************************										/

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PROJECT NAME:	LE Carp	enter							
PROJECT NUMBER	: 01545.4	6.001		BY:	SP	DATE:3/N	// BY: P	?	DATE: W/W/I
Samuel Company of the			WEL	L DIAMET	ER: 🗸 2"		6" ✓ OTHE	R N/A	
WELL MATERIAL:	PVC	ີss □	IRON		NIZED STE		✓ OTHE	100	
SAMPLE TYPE:	GW [ww 🖸	sw	DI		CHATE	OTHE	1073	
Service of the servic	TIME:	DA	TE:		W. s. S. C.	7-19-71年報飲 日本講覧	TIME: //	5 0	ATE: 5/14/11
PURGE	PUMP				PH:	SL			umhpe/cm
METHOD	BAILER				ORP:	m\			g/L
DEPTH TO WATER:		T/ PVC			TURBIDIT	Y:	NTU		
DEPTH TO BOTTOM:		T/ PVC			NONE	SLIC	энт □ М	ODERATE	☐ VERY
WELL VOLUME:		LITERS	GAL	LONS	TEMPERA	TURE:	°c ∫e	THER:	
VOLUME REMOVED:	[LITERS	GAL	LONS	COLOR:	-		DDOR:	
COLOR:		OD	OR:		FILTRATE	(0.45 um)	YES [√ NO	
	TURB		_		FILTRATE (FILTRATE OD	OR:
		MODERATE	_=	VERY	QC SAMP		MSD [DUP	
DISPOSAL METHOD:	GROUN	D DRUM	L OT	HER	COMMEN	15:			
								· [4]	
Higher to the second									INITIAL
								-	INITIAL
·									
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		. :							<u> </u>
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					-				
NOTE: STABI	LIZATION T	FST IS COMP	FTF W	HEN 3 SU	CESSIVE	READINGS A	ARF WITHIN T	HE FOLLOW	ING LIMITS:
	COND.: +/-		: +/-	-	: +/-	TURB: +/-		·· <u>-</u> .	TEMP.: +/-
	PRESERV	ATIVE CODES	A - NC	ONE B	- HNO3	C - H2SO4	D - NaOH	E-1	HCL F-
NUMBER SIZE	TYPE	PRESERVAT		ILTERED	NUMBER	 	TYPE	PRESERVA	
2 40 mL	VOA	Е		YVN		1			
2 1L	AMBER	F		YVN	+	 			
				Y N	+				
				ly \square N	. 				
	 		- -	Y	+	†	-		
CLUBBING METICS	- Co	E . 1-	ATC C	1 19	7/10	//	AIDOUL	U MADED: F	
SHIPPING METHOD		===	ATE SH		3/19	0/-			58167512325
COC NUMBER:	_M	<u> </u>	IGNATL	JKE:) / Eu	my	DATE SIG	SNED:	3/11/11

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		4.4

PROJECT NAME: LE Carpenter	
PROJECT NUMBER: 01545.46.001	BY: SP DATE: 3/4/11 BY: 12P DATE: 4/19/11
WELL DIA	DIAMETER: 2" 4" 6" OTHER N/A
WELL MATERIAL: PVC SS IRON G	GALVANIZED STEEL OTHER N/A
SAMPLE TYPE: GW WW SW D	DI LEACHATE OTHER
TIME: DATE:	TIME: /6/5 DATE: 3/14/11
PURGE PUMP	PH: SU CONDUCTIVITY: umhos/cm
METHOD: BAILER	ORP: mV DO: mg/L
DEPTH TO WATER: T/ PVC	TURBIDITY: NTU
DEPTH TO BOTTOM: T/ PVC	□ NONE □ SLIGHT □ MODERATE □ VERY
WELL VOLUME:LITERS GALLON	NS TEMPERATURE:°C OTHER:
VOLUME REMOVED: LITERS GALLON	NS COLOR: ODOR:
COLOR: ODOR:	FILTRATE (0.45 um) YES NO
TURBIDITY	FILTRATE COLOR: FILTRATE ODOR:
NOME SLIGHT MODERATE VERY	
ØSPOSAL METHOD: GROUND DRUM OTHER	R COMMENTS:
では、1985年1月1日 日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	INDIAC
	3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:
pH: +/- COND.: +/- ORP: +/-	D.O.: +/- TURB: +/- or = TEMP.: +/-</td
PRESERVATIVE CODES A - NONE	
NUMBER SIZE TYPE PRESERVATIVE FILTE	
2 40 mL VOA E Y	
2 1 L AMBER F Y	
SHIPPING METHOD: DATE SHIPPEI	ED: 3/15/11 AIRBILL NUMBER: \$58,525,1237
CÓC NUMBER: SIGNATURE:	DATE SIGNED: 3/15//

VERY

INITIAL

PROJECT N			rpenter			27		ने हा सुरहा, दे					
PROJECT N	UMBER	: 01548	5.46.001			BY:	SP	DATE	3/14	BY:	RP	San de leinigenen er	DATE:
					WELL	DIAME	ren: 🗸	2")" \[6'	· [기 0	THER	N/A	
VELL MATER	.30 € (j.lu	PVC	SS		IRON	GALV	ANIZED S	STEEL		<u> </u>		N/A	
SAMPLE TYPI	<u>.</u> : (☐ GW	w	<u>, </u>	sw [] DI	<u> </u>	LEACHA	TE	O	THER		
SE VIII LE	**	TIME:		DA	TE:			REGERENCE .	Т	IME: /	17	D/	ATE: 3/
PURGE		PUMP					PH:		SU	COND	UCTIVI	TY:	
METHOD:		BAILER		`		_	ORP:		mV	DO:	-	mg	/L /
DEPTH TO W	ATER:		T/ PVC	-			TURBI	DITY:		NTU			/
DEPTH TO B	OTTOM:		_ T/ PVC				NOI	NE [SLIGI	нт[] MOE	DERATE	
WELL VOLUM	IE:		LITE	RS	GALL	ONS.	TEMPE	RATURE	<u> </u>	℃	Ø1H	IER: _	
VOLUME RE	MOVED:	\angle	LITE	RS	GALL	ONS	COLO	₹:		_/	ÓDC	DR: _	
COLOR:	/			OD	OR:		FILTRA	TE (0.45	um)_[YES	V	NO	
./		TUF	RBIDITY				FILTRA	TE COLE	R:		FILT	RATE OD	OR:
NOME	SLI	GHT [MODER	ATE	v	ERY	QC SA	MPLE: [MS/N	ISD		DUP-	
DISPOSAL M	ETHOD:	GRO	JND 🗌	DRUM	ОТН	ER	COMM	ENTS:					
和中人公司	1.5	1	₹₹₹. <u>2-1</u>	GE CAN		1860 F		de la companya de la		海 (河南) (河南) (河南)	海绵红"(
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MP.: +/-PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 E - HCL F+ D - NaOH NUMBER SIZE TYPE PRESERVATIVE **FILTERED** NUMBER SIZE TYPE PRESERVATIVE **FILTERED** N VOA □ Y 40 mL Ε]|Y N F 1 L AMBER]|Y □ N]|Y SHIPPING METHOD: FLOEL AIRBILL NUMBER: \$58157517375 DATE SHIPPED: SIGNATURE: COC NUMBER: DATE SIGNED:

PROJECT NUMBER: 01545.46.001	PROJECT NAME	: LE Car	penter								
WELL MATERIAL:	PROJECT NUME	BER: 01545.	46.001		BY:	SP [DATE:3/4	/11 BY: 12	P	DATE	4/9/11
TIME: DATE: DATE	and the state of t		SS						IN/A		
PURGE		GW	w	sw _] DI	LEA	CHATE	OTHE	R	····	
METHOD:		TIME:	D	ATE:				TIME: /6	35	DATE:	1/4/11
DEPTH TO WATER:		PUMP				PH:	SU	CONDUC	TIVITY:	7	umhoefcm
DEPTH TO BOTTOM:	METHOD:	BAILER		_/		ORP:	m\	/ DO: _		mg/L	
WELL VOLUME:	DEPTH TO WATE	R:	T/ PVC						,	/_	
VOLUME REMOVED:	DEPTH TO BOTTO	OM:				NONE	SLIC	SHT [MODERATI] VERY
NOME	WELL VOLUME:			GALLO	SNC	TEMPERAT	TURE:	°C	OTHER:		
NOME SLIGHT MODERATE VERY OC SAMPCE: MS/MSD DUP	VOLUME REMOV	ED:			SNC						
NOME	COLOR:		0	OOR:		FILTRATE ((0.45 um)	YES	√ NO		
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: PH: +/-		·		,— <u>-</u> -						ODOR:	
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH: +/- COND: +/- ORP: +/- D.O.: +/- TURB: +/- or = TEMP: +/- PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 2 40 mL VOA E</td <td></td> <td></td> <td></td> <td></td> <td>$\overline{}$</td> <td></td> <td></td> <td>MSD</td> <td>∐ DUP-</td> <td></td> <td></td>					$\overline{}$			MSD	∐ DUP-		
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: ph: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- Or PRESERVATIVE CODES A-NONE B-HNO3 C-H2SO4 D-NaOH E-HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 2 40 mL VOA E	DISPOSAL METH	OD:[_] GROU	ND DRUM	OTHE	R	COMMENT	rs:				
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: ph: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- Or PRESERVATIVE CODES A- NONE B- HNO3 C- H2SO4 D- NaOH E- HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 2 40 mL VOA E	Manager								· 建量 。		
pH: +/- COND.: +/- TURB: +/- Or = TEMP.: +/-</th PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED 2 40 mL VOA E Y N Y N 2 1 L AMBER F Y											INITIAL
pH: +/- COND.: +/- ORP: +/- TURB: +/- OF TEMP.: +/- PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F											
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pH: +/- COND.: +/- TURB: +/- OF TEMP.: +/- PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED 2 40 mL VOA E YN YN YN 2 1 L AMBER F YN YN YN											
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pH: +/- COND.: +/- ORP: +/- TURB: +/- OF TEMP.: +/- PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F	<u> </u>										
pH: +/- COND.: +/- ORP: +/- TURB: +/- OF TEMP.: +/- PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F						· ·					
pH: +/- COND.: +/- ORP: +/- TURB: +/- OF TEMP.: +/- PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F				ļ					·		
pH: +/- COND.: +/- ORP: +/- TURB: +/- OF TEMP.: +/- PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F		1		<u> </u>			:				
pH: +/- COND.: +/- ORP: +/- TURB: +/- OF TEMP.: +/- PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F											
PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 2 40 mL VOA E □ Y □ N □ Y □ N □ Y □ N 2 1 L AMBER F □ Y □ N □ Y □ N □ Y □ N □ Y □ N □ Y □ N □ Y □ N □ Y □ N	NOTE: ST	ABILIZATION 1	TEST IS COMP	LETE WHE	N 3 SUC	CESSIVE R	READINGS A	RE WITHIN 1	HE FOLLO	WING LI	AITS:
NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 2 40 mL VOA E	pH: +/-	COND.: +/-	ORF	P: +/-	D.O.:	+/-	TURB: +/-	ог	=</td <td>TEMP</td> <td>).: +/-</td>	TEMP).: +/-
NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 2 40 mL VOA E	1 24	PRESERV	ATIVE CODES	A - NON	E B-	HNO3	C - H2SO4	D - NaOH	i E	- HCL F]
2 1 L AMBER F		E TYPE	PRESERVAT	IVE FIL	TERED	NUMBER	SIZE	TYPE	PRESER	VATIVE	FILTERED
	2 40 m	ıL VOA	E		VN]Y N
	2 11	AMBER	F		√ N	1					TYDN
		-	 		1=1-	 	 	·			
						 					
		-								 	Y DN
SHIPPING METHOD: FEEL DATE SHIPPED: 3/15/11 AIRBILL NUMBER: 458153512325	SHIPPING METH	OD: FGA	T _r	ATE SHIP	PED:	3/10/	//	AIRRII I	UMRER	458152	517375
COC NUMBER: SIGNATURE: DATE SIGNED: 3/5/// DATE SIGNED: 3/5///		M				3 Pen	lik	·		3/1	1/1/

RMT	
PROJECT NAME:	L
PROJECT NUMBER:	C
WELL MATERIAL:	F
TI	_
PURGE PU METHOD: BA	
DEPTH TO WATER:	_
WELL VOLUME:	=

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PROJECT		LE Carp				in dille	La Laboration (
PROJECT N	NUMBER:	01545.4	\$6.001 	<u></u>	E	3Y:	. SP C	DATE 3/1	<i>t/l/</i> BY: 1	u ———	DATE	4/19/11
a Madigar - Affilia Na Madigar - Affilia				/	ELL D	AMETE	R: 🗸 2"	□ 4" □	6" 🗸 OTHE	R N/A	.a	·
WELL MATE	RIAL:	PVC [ss [IRON		3ALVA1	NIZED STEE	<u> </u>	✓ OTHE			
SAMPLE TYP	PE: [] GW	_w [√ sw		DI	LEA	CHATE	□ отне	R		
	e de la companya de l	TIME:		DATE:					TIME: /65		DATE: 3	1/4/11
PURGE		PUMP	<u>-</u>			\nearrow	PH:	St			/	umhos/cm
METHOD:		BAILER			_		ORP:	m'	V DO:		mg/L	
DEPTH TO \	WATER:		T/ PVC				TURBIDITY	/ :	NTU	<u>-</u>	/	
DEPTH TO I	воттом:_		T/ PVC				NONE	SLIC	знт 🔲 І	MODERATE		VERY
WELL VOLU	ME:		LITERS		SALLO	VS	TEMPERAT	URE:	℃	OTHER:		
VOLUME RE	EMOVED:		LITERS		ALLO	vs	COLOR:		_/	ODOR:		
COLOR:	_/			ODOR: _			FILTRATE ((0.45 um)	YES	√ NO		
		TURB	IDITY				FILTRATE C	OLOR:		FILTRATE O	DOR:	
□ NONE	SLIC		MODERATE	<u> </u>	VEF		QC SAMP		MSD	DUP-	OL	
ØISPOSAL I	METHOD:	GROUN	ID 🗌 DRU	М 🗆 С	THER		COMMENT	S:				
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NOT	E: STABIL	IZATION T					CESSIVE R	READINGS	ARE WITHIN	THE FOLLO	WING LI	MITS:
pH: +/-	: •	COND.: +/-	0	RP: +/-	·. ·	D.O.:	+/-	TURB: +/-	· · OF	=</td <td>TEM</td> <td>P +/-</td>	TEM	P +/-
	A PARTY	PRESERV	ATIVE COD	ES A-	NONE	В-	HNO3	C - H2SO4	D - NaOl	1 E-	HCL F	
NUMBER	SIZE	TYPE	PRESER\	ATIVE	FILT	ERED	NUMBER	SIZE	TYPE	PRESERV	ATIVE	FILTERED
42	40 mL	VOA	Ε		□Y	☑N						□Y □N
42	1 L	AMBER	F		□ Y	☑ N		·			[JY DN
"					☐ Y	□N						Y N
			 				<u> </u>	 	 			Y N
 							 	 	· · · · · · · · · · · · · · · · · · ·	-	- L	Y
		1		 _	=		-	/	<u> </u>	<u> </u>	ا	
SHIPPING	METHOD:	FASA	E_X	DATE	SHIPPI	ED:	3/56	11	AIRBILL	NUMBER:	858	505,1232
COC NUME	BER:	LA		SIGNA	TURE:		5/m	leliz.	DATE SI	GNED:	3//3	7/11
				 -				7	<u> </u>			7

R	M		

PROJECT NA	ME:	LE Car	penter									
PROJECT NU	MBER:	01545.4	46.001			BY:	SP !	DATE:3/	4/11 BY: K	R	DATE: 4/L	9/11
A MARKET - THE PARTY OF	6			200	WELL D	IAMET	ER: 🗸 2"	4 "	6" V OTHE	R N/A		
WELL MATERIA	L: [] PVC	☐ SS	☐ IRO	N 🔲	GALVA	NIZED STE	EL	✓ OTHE	R N/A		
SAMPLE TYPE:	[] GW	□ww	☑ sw		DI	LEA	CHATE	□ отне			
		TIME:		DATE:					TIME: 7	30	DATE: 3/L	
PURGE	F	PUMP					PH:	SI	CONDUC	TIVITY:	umb	08/cm
METHOD:	E	BAILER			_	. `.	ORP:	m	V DO:		mg/L	
DEPTH TO WA			T/ PVC				TURBIDIT	_	_ NTU			
DEPTH TO BO			T/ PVC				NONE			MODERAT	E VEF	?Y
WELL VOLUME		إنرينا	LITERS		GALLO		TEMPERAT	TURE:		OTHER:		
VOLUME REM	OVED:		LITERS		GALLO	NS	COLOR:			ODOR:		_
COLOR:	$-\!\!\!/$			ODOR:			FILTRATE		YES	✓ NO		
/	_		BIDITY	· 	<u>.</u>		FILTRATE C			FILTRATE	ODOR:	
□NOME [SLIC		MODERAT		VEF			(E: MS/	MSD	DUP-		
DISPOSAL ME	THOD:	GROUN	ID DR	UM [_]	OTHER	<u> </u>	COMMEN	rs:			•	
		的。 第四章										
Marke F.	1 171 W	्री			lal (a)		Til a Talo Kala	A. I.			INITH	
<u> </u>											IIVI III	
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	·											
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							<u> </u>					
NOTE:	STABIL	IZATION T	EST IS CO	MPLETE	WHEN	1 3 SUC	CESSIVE R	READINGS	ARE WITHIN T	THE FOLLO	OWING LIMITS:	
pH: +/-		COND.: +/-	C)RP: +/-		D.O.	: +/-	TURB: +/-	ог	=</td <td>TEMP.: +/-</td> <td></td>	TEMP.: +/-	
		PRESERV	ATIVE COL	DES A-	NONE	В.	- HNO3	C - H2SO4	D - NaOl-	l E	- HCL F	
NUMBER S	SIZE	TYPE	PRESER	VATIVE	FILT	ERED	NUMBER	SIZE	TYPE	PRESER	VATIVE FILT	ERED
2 4	0 mL	VOA	E			☑ N					□ Y :	
2	1 L	AMBER	F		□Y	IJN					□ Y	□N
						□N					□ Y	□N
						□ N	T		-		Y	□N
			1		□ Y		† :					
SHIPPING ME		Foot	X	DATE	SHIPP	ED:	3/15/1	/	AIRBILL	NUMBER:	858 525	7325
COC NUMBER		A A		+	ATURE:			0.5	DATE SIG		Theli	-0-2
	-	<u> </u>					<u>, , , , , , , , , , , , , , , , , , , </u>	~			2/10/11	لحبب

J	3	N	7	J	
		~		-	

PROJECT NAME:	LE Carp	enter		2	MA					
PROJECT NUMBER:	01545.4	6.001		E	BY:	SP	DATE:3/N	/// BY:	pp	DATE:U/IA/II
			w	ELL D	IAMETE	ER: ✓ 2"	4" (3" V OTH	ER N/A	Ot. 1 mg
WELL MATERIAL:]PVC [_ss _	RON		3ALVAI	NIZED STE	EL	✓ ОТН		
SAMPLE TYPE:	GW [_ww [2] sw		DI .	LEA	ACHATE	□ отн		
	TIME:	[ATE:			Section of the sectio		TIME:	145	DATE: 3/4/11
	PUMP					PH:	SL	CONDUC	CTIVITY:	umhoero
METHOD:	BAILER			_	أ	ORP:	m\	/ DO:		mg/L
DEPTH TO WATER: _		T/ PVC				TURBIDIT	Y:	_ NTU		
DEPTH TO BOTTOM:_		T/ PVC				NONE	SLIC	SHT 🗌	MODERATE	☐ VERY
WELL VOLUME:		LITERS	G	ALLO	NS	TEMPERA	TURE:	°	OTHER:	
VOLUME REMOVED:_		LITERS		ALLO	NS	COLOR:		_/	ODOR:	
COLOR:			DOR:			FILTRATE	(0.45 um)	YES	☑ NO	
	TURB	IDITY				FILTRATE	COLOR:		FILTRATE C	DDOR:
□NOME □ SLIG	SHT 🔲 N	MODERATE		VEF	RY	QC SAMP	LE: MS/	MSD	DUP-	
ØISPOSAL METHOD:[GROUN	D 🔲 DRUI	и 🔲 с	THER		COMMEN	TS:			
	新 伊尔克克	(12.) (12.) (13.) (13.) (13.) (13.) (13.)		11.55			在1100000000000000000000000000000000000	aiskara e	Company of the second	and the second s
				1						
34 d. J. M. (2004) 122 (1994)	Mark Commence of	445 to though	TE WARES	. du Sur ARA	20 E 20 E	・	Maria de la companya della companya	7、2015年2月2日 1		INITIAL
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		·								
, .										
					_		}			
			_		_					
								<u> </u>	<u> </u>	
NOTE: STABIL	IZATION T	EST IS COM	PLETE	WHEN	3 SUC	CESSIVE	READINGS /	ARE WITHIN	THE FOLLO	WING LIMITS:
	COND.: +/-	OF	(P: +/-		D.O.	: +/-	TURB: +/-	ОГ	=</td <td>TEMP.: +/-</td>	TEMP.: +/-
di	PRESERV	ATIVE CODE	<u>S</u> A-	NONE	В٠	- HNO3	C - H2SO4	D - NaC	H E	HCL F
NUMBER SIZE	TYPE	PRESERVA	ATIVE	FILT	ERED	NUMBER	R SIZE	TYPE	PRESER\	VATIVE FILTERE
2 40 mL	VOA	E		□ Y	IJ N					□ Y □
2 1L	AMBER	. F		□ Y	☑ N					
				□ Y	□N	1				
		· · · · · · · · · · · · · · · · · · ·			□ N	1	-		 	
						1			+	
				٠٠٠٠.		11/10		J	A 11 12 12 12 12 12 12 12 12 12 12 12 12	Z
SHIPPING METHOD:	FEDE	<u> </u>	DATE			3/K/	0.0	·		8381575103
COC NUMBER:	M		SIGNA	TURE	ت ت	You	W /	DATE S	SIGNED:	5/15/11

0.000*		اليي
	<i>i</i>	

PROJECT NAME: LE Carpenter PROJECT NUMBER: 01545.46.001 BY: SP DATE BY: QP WELL DIAMETER: 2" 4" 6" VOTHER N/A WELL MATERIAL: PVC SS IRON GALVANIZED STEEL VOTHER N/A	DATE: 4/19/1
WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☑ OTHER N/A	DATE: 4/19/1
WELL MATERIAL SING SING SING SING SING SING SING SING	
WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☑ OTHER N/A	
SAMPLE TYPE: GW WW SW DI LEACHATE OTHER	
TIME: DATE: TIME: 1800 DA	ATE: 3/14/11
PURGE PUMP PH: SU CONDUCTIVITY:	umhoe/cm
METHOD: BAILER ORP: mV DO: mg	/L
DEPTH TO WATER: T/ PVC TURBIDITY: NTU	
DEPTH TO BOTTOM: T/ PVC NONE SLIGHT MODERATE	VERY
WELL VOLUME:CCCC	
VOLUME REMOVED: LITERS GALLONS COLOR: ODOR:	
COLOR: ODOR: FILTRATE (0.45 um) YES V NO	
TURBIDITY FILTRATE COLOR: FILTRATE ODC	OR:
□ NOME □ SLIGHT □ MODERATE □ VERY QC SAMPLE: ▼ MS/MSD □ DUP-	
MISPOSAL METHOD: GROUND DRUM OTHER COMMENTS:	
	INITIAL
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING	
pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or =</td <td>TEMP.: +/-</td>	TEMP.: +/-
PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HO	CL F
NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVAT	IVE FILTERED
4 2 40 mL VOA E □Y ☑N	□Y □ N
1 L AMBER F Y IN	
	OY ON
	□Y □N
SHIPPING METHOD: DATE SHIPPED: SISTEM AIRBILL NUMBER: 85	5815751325
COC NUMBER: SIGNATURE: SALES DATE SIGNED:	[[5]]

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مب.» <u>]</u>	Y	سر البرا
	k #	3 3
200		2000

-constitution area.					10.	7 " : 18 Mg		. (5)	17 18 19 10 18 18 18	糖合物料は分です	Section 1917	San Charles Company Research
PROJECTI	NAME:	LE Carp	enter		1			and a				
PROJECT			16.001	·	В	Y :	SP	D,	ATE: 3/1	AllBY: P	A	DATE:4/19/N
erionine di San				WE	LL DI	AMET	TER: 🕡 :	2" [] 4"	" V OTHE	R N/A	
WELL MATE		PVC [_]ss	IRON	G	ALVA	NIZED S	TEE	<u> </u>	☑ OTHE		
SAMPLE TYI	PE: [] GW	_w ☑	SW)i		EAC	HATE	□ отні		
		TIME:	DA	ATE:			155 T	e e voca Lig	I William	IME: /8/	b	DATE: 3/M
PURGE	F	PUMP				/	PH:	T infelix	SU	CONDUC	TIVITY:	umhoe/c
METHOD:	E	BAILER			_		ORP:		mV	DO:	r	ng/L
DEPTH TO	WATER: _		T/ PVC				TURBIC	ITY:		NTU		
DEPTH TO	BOTTOM:_		T/ PVC				□ NON	łΕ	SLIG	нт 🔲	MODERATE	☐ VERY
WELL VOLU	ME:		LITERS	GA	LLON	IS	TEMPE	RATI	JRE:	℃	OTHER:	
VOLUME RI	EMOVED:	[LITERS	GA	ALLON	IS	COLOR	l: _		_/	ODOR:	
COLOR:				OR:			FILTRA	TE (0).45 um)	YES	IJ NO	
		TURB	IDITY				FILTRAT				FILTRATE O	DOR:
NONE	SLIC		MODERATE	[VER'	Y	QC SAI			ISD	DUP-	
DISPOSAL	METHOD:	GROUN	D DRUM	O1	HER		Семи	ENTS	3:			·····
Sar III			10 mg/m						SOUME:			
	Ed.									· · · · · · · · · · · · · · · · · · ·		
												INITIAL
										·		
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				 		+						
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NOT	TE: STABIL	JZATION T	EST IS COMP	LETE W	VHEN	3 SU(CCESSIV	E RE	EADINGS A	RE WITHIN	THE FOLLO	WING LIMITS:
pH: +/-		COND.: +/-	ORF				.: +/-		TURB: +/-		=</td <td>TEMP.: +/-</td>	TEMP.: +/-
g\$\dots, \tau	and services	PRESERV	ATIVE CODES	A- N	ONE	В	- HNO3	. (C - H2SO4	D - NaOl	- E-	HCL F-
NUMBER	SIZE	TYPE	PRESERVAT	IVE	FILTE	RED	NUMB	ER	SIZE	TYPE	PRESERV	ATIVE FILTERE
2	40 mL	· VOA	E] Y	N						
2	1 L	AMBER	F	Ĺ] Y	☑N				. ,		□ Y □
]Y	□N				,	<u> </u>	
				Γ] Y	□N			-	• • • • • •		
					_] Y		1	٠.			<u> </u>	
SHIPPING	METHOD:	FEO	Ex	ATE SI	HIPPE	D: 7	3/15	/ /	7	AIRBILL	NUMBER:	85815051838
COC NUME		الا لا		GNAT		<u> </u>	*)	O.K.	DATE SI		2/12/11
300			<u> </u>					<u>au</u>	~ ×			3/13///

COC NUMBER:

REVISED 03/2008

WATER SAMPLE LOG

DO IECT		. 150	omto-	(%) 15% (15%) (15%	\$ 100 SEC. 19	Para region of				
PROJECT	, ,	· LE Carp						THE WAY		
PROJECT	NUMBER:	01545.4	6.001	BY	SM/SP I	DATE: 3-15	7-11 BY: PR		DATE: 4/14/1	
				WELL DIAMET	TER: 🗸 2"	4" .	6" OTHE	R		
WELL MATE	ERIAL: [PVC [Agss [IRON GALV	ANIZED STE	EL	OTHE	R		
SAMPLE TY	PE:	☑ GW []w [SW 🗌 DI	LEA	CHATE	OTHE	R		
		TIME: 09	21 0	ATE: 3-/5-//			TIME: 094	O DA	TE: 3-15-11	
PURGE	X i	PUMP (adder	PH: 7.	30 su			umhos/cm	
METHOD:	E	BAILER			ORP: 47	,2 m	/ DO: _	5.30 mg/	L	
DEPTH TO	WATER:	5.21	T/ PVC		TURBIDIT	1: 5.34	NTU			
DEPTH TO	BOTTOM:				NONE	SLIC		MODERATE	☐ VERY	
WELL VOLUME: 7.2 ☑ LITERS ☐ GALLONS TEMPERATURE: 8.30 °C OTHER:										
VOLUME R			LITERS	GALLONS	COLOR:	<u>cir</u>		DDOR:	10	
COLOR:	Tai			DOR:	FILTRATE			⊿ NO		
□ NONE			IDITY 73.	∪ VERY	CC SAMPI		MSD	DUP-	R: 10	
NONE DISPOSAL	METHOD:		MODERATE	OTHER	COMMEN		· · · · · · · · · · · · · · · · · · ·			
DISPUSAL	IVIC I NOD:	GROUN		A CHIEK	COMMEN	TR-	O AIK-		3-10	
0920	400	7.07	344	81.7 2	4.84 7	3.0	7.95	5.21	INITIAL	
0925		7.25	288	1		2.1	8.23	5.21	2.0	
0930		7.31	286			8.3	8,26	5.21	4.0	
0935		7.31	291		5.25 11		8.26	5.21	6.0	
0940	1	7.30	293			.34	8.30	5.21	8.0	
					.	,				
							,			
NO.	TE: STARII	IZATION T	EST IS COME	PLETE WHEN 3 SU	CCESSIVE F	READINGS A	ARE WITHIN T	HE FOI LOWIN	IG LIMITS:	
				P: +/- D.O					TEMP.: +/- 0.5°C	
SPECIAL STATE	4		<u> </u>			C - H2SO4	<u> </u>		L F	
NUMBER	SIZE	TYPE	PRESERVA			 	TYPE	PRESERVATI		
2	40 mL	VOA	E	Y V		1 L	AMBER	A	Y VN	
2	40 mL	VOA	Α.			125 mL	PLASTIC	Э.		
1	100 ml	PLASTIC			- 	123 HIL	PLASTIC			
1										
	250 mL	PLASTIC	A C			<u> </u>				
1	125 mL		· · · · · · · · · · · · · · · · · · ·			<u> L</u>	<u> </u>			
SHIPPING	METHOD:	Fed	EN.	DATE SHIPPED:	3-15-1	1	AIRBILL I	NUMBER: 85	81525 12325	

SIGNATURE:

DATE SIGNED:

3-15-11

RM
PROJECT NAME:
PROJECT NUMBE

PROJECT I	NAME:	LE Carp	enter										
PROJECT I	NUMBER:	01545.4	6.001	BY	SM/SP	DATE: 3-15	-11 BY:14P	<u>.</u>	PATE: 4/59/11				
				WELL DIAME	TER: 🗸 2"	4" 🗍 6	6" OTHER	?					
WELL MATERIAL: PVC SS IRON GALVANIZED STEEL OTHER													
SAMPLE TYPE:													
		TIME: 10	16 DA	TE: 3-15-11			TIME: 1040	DAT	E:3-15-11				
PURGE	-			H. Bladder	PH: 6	. 87 su		2 4 4					
METHOD:	BAILER ORP. 1 IIIV DO. 2779 IIIg/L												
DEPTH TO WATER: 5.85 T/ PVC TURBIDITY: 8.13 NTU													
DEPTH TO BOTTOM: 14.10 T/ PVC NONE SLIGHT MODERATE VERY													
WELL VOLUME: 8.2 LITERS GALLONS TEMPERATURE: 8.59 °C OTHER: VOLUME REMOVED: 17.0 LITERS GALLONS COLOR: 100 COLOR: 100													
			LITERS	GALLONS				DOR:	<u> </u>				
COLOR: Brown ODOR: 20 FILTRATE (0.45 um) YES NO TURBIDITY 610 FILTRATE COLOR: C/r FILTRATE ODOR: 10													
NONE	SLIC		ODERATE	₩ VERY	QC SAMI			DUP-	` .				
DISPOSAL		GROUN			COMMEN		O AIK	-130 C	02-14				
			阿爾斯 医高额	ACCOMPANY.	持续额当	中侧原理			. And the state of				
								1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					
1016	400	6.85	1690	86.9	5.00	610	8.42	5.85	INITIAL				
621		6.81	2102	86.2	3.62	131	8.45	5.83	2.0				
1026		6.86	2134	84.0	3.57	71.2	8.42	5.84	4.0				
1081		6.93	2160	83.0	3.50	34.6	8.44	5.84	6.0				
6036	- 1	684	2167	81.9	3.47	15.1	8.45	5.84	80				
1041		6.88	2167	80.9	3.40	8.18	8.50	5.84	10.0				
1046	V	6.87	2162	80.1	3.36	8.13	8.59	5.84	12.0				
			4										
NO1	TE: STABIL	IZATION TI	EST IS COMPL	ETE WHEN 3 S	UCCESSIVE	READINGS A	RE WITHIN T	HE FOLLOWIN	IG LIMITS:				
pH: +/-	0.1	COND.: +/-	5 (<100 ORP	:.+/- D.	O.: +/- 10 %	TURB: +/-	10 % or	= 10</td <td>TEMP.: +/- 0.5°C</td>	TEMP.: +/- 0.5°C				
ista ista en entra. Piĝi Silinto	MEN S. CAR.	PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - NaOH	E - HC	L F				
NUMBER	SIZE	TYPE	PRESERVAT		D NUMBE	R SIZE	TYPE	PRESERVATI	VE FILTERED				
2	40 mL	VOA	E	□ Y ☑	N 2	1 L	AMBER	Α	□Y ✓N				
2	40 mL	VOA	Α	□ Y ☑	N 1	125 mL	PLASTIC	В	IJY □N				
1	100 ml	PLASTIC	F		N				□Y □N				
1 .	250 mL	-gyass	A		N		·		□ Y □ N				
1	125 mL	PLASTIC	С		N				□ Y □ N				
SHIPPING	METHOD:	Fed	Ey D	ATE SHIPPED:	3-15	-11	AIRBILL N	IUMBER: 84	५८११८८१८३८				
COC NUM	BER:	11		IGNATURE:	Bestly	alle	- DATE SIG		3-15-11				
REVISED								=					

REVISED 03/2008

				· 12345099		Sign Character Con		en parents avenue volum	Constant Carrie
PROJECT	NAME:	LE Carp	penter					Manda.	
PROJECT	NUMBER:	01545.4	16.001	BY	SM/SP	DATE:3 - 12	5-11 BY: PF	•	DATE: 4/19/4
spigiti - fo. Sombolishbu in b				WELL DIAM	ETER: 🗸	2"	6" OTHER	₹	
WELL MATE	RIAL: [PVC [v ss □	IRON GAL	VANIZED S	TEEL	OTHER	₹	
SAMPLE TY	PE: [☑ GW [_ww _	SW DI		EACHATE	OTHER	?	
		TIME: 112	2 DA	TE: 3 -15 -11			TIME: //53	2_ DA	TE: 3-15-11
PURGE			DED Blade	der	PH:	6.59 s		VITY: <u>'/33</u>	
METHOD:		BAILER			ORP:	-2.2 m		17 mg/	L
DEPTH TO			T/ PVC	····	TURBIC	····	NTU		
DEPTH TO					NON SQ		7/5	ODERATE	☐ VERY
WELL VOLU		<u> </u>	LITERS	GALLONS GALLONS				THER:	40
VOLUME R		rown		OR: 10	COLOR	TE (0.45 um)		DOR:	ΝΟ
COLOR.			IDITY 323			E COLOR:		ILTRATE ODO	D.
NONE	SLIC		MODERATE	☐ VERY	QC SAI		MSD [DUP-	<u> </u>
DISPOSAL	METHOD:	GROUN	ID DRUM	X OTHER	COMM	ENTS: Fe-	3 AIK-	10 CO	-27
	91 1918		PERMIT IT THE PERMIT				第二次[阿爾巴伊斯特]	R Green to the state of	
	Mr. S. J.						(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
1122	400	6.34	1339	40.1	3.46	323	10.07	6.49	INITIAL
1127	1	6.52	1319	\$31.4	0.34	141	10.29	649	2.0
1/32		6.57	1325	23.6	0.41	73.8	10.33	6.49	4.0
1137		6.55	1335	14.9	0.23	32.3	10.41	6.49	6.0
1142		6.55	1334	7.7	0.19	14.3	10.45	6.49	8.0
1147		6.57	/335	2.5	0.18	11.5	10.47	6.49	10.0
1152	V	6.59	1332	-2.2	0.17	9.19	10.47	6.49	12.0
NO	ΓE: STABIL	IZATION T	EST IS COMPL	ETE WHEN 3 S	SUCCESSIV	E READINGS	ARE WITHIN TH	IE FOLLOW!	NG LIMITS:
pH: +/-	0.1	COND.: +/-	5 (<100 ORP:	+/- D	.O.: +/- 10 °	% TURB: +/-	10 % or <	/= 10	TEMP.: +/- 0.5°C
Pripage	property	PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - NaOH	E - HC	L F
NUMBER	SIZE	TYPE	PRESERVATI	VE FILTERE	D NUMBI	ER SIZE	, TYPE	PRESERVATI	VE FILTERED
2	40 mL	VOA	E	□ Y	N 2	1 L	AMBER	Α	□Y ☑N
2	40 mL	VOA	Α		N 1	125 mL	PLASTIC	В	√ Y □ N
1	100 ml	PLASTIC	F		N				□ Y □ N
1	250 mL	GH35	Α		N		,		Y N
1	125 mL	PLASTIC	C		N				□ Y □ N
SHIPPING	METHOD:	fed	EX D	ATE SHIPPED:	7.15-	//	AIRBILL N	UMBER: 85	5 551 555 183
COC NUMI	BER:	N		GNATURE:	Best	nelle	DATE SIGI		-15-11

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1962	ι, τ	4	
		-	

Mary Andrews A	<u> </u>					er botos barror inco	Contraction of the con-	III. THE C. O. SHIPPER CO. S. C. LAND	All 2 And 2 Could be a supply attraction of	and a set of a control of this at the control of	,
PROJECT N	IAME:	LE Carp	enter								
PROJECT N	NUMBER:	01545.4	6.001		E	3Y	SM/SP	DATE:3-15	-// BY: R	P D	PATEURANI
				V	VELL D	AMET	ER: 🗸 :	2" [4" [6" OTHE	R	
WELL MATE	RIAL:	PVC [▼SS □	RON	۷ 🗆 (GALVA	NIZED S	STEEL	OTHE	R	
SAMPLE TYPE	PE:	√ GW [SW		Ol ·		EACHATE	OTHE	R	
10.00		TIME: /2	4/a DA	TE: :	3-15.	-1/			TIME: /}>	/ DAT	E:3-15-11
PURGE			DEP POI				PH:	6.5% su		TIVITY: 1600	
METHOD:	_	BAILER				<i></i>		92.5 m		3.73 mg/L	
DEPTH TO	WATER:	5.27	T/ PVC				TURBIL	DITY: 15.3	2 NTU		
DEPTH TO			T/ PVC				□ NON	NE A SLIC	знт 🔲	MODERATE	UERY
WELL VOLU	ME:	6.448	LITERS		GALLO	NS	TEMPE	RATURE: 5	64 °C	OTHER:	
VOLUME RE	EMOVED:_	14.0	X LITERS		GALLOI	NS	COLOF	t: <u>L+ Or</u>	^	ODOR:	n 0
COLOR:	BI	m-	OD	OR:	Let		FILTRA	TE (0.45 um)	YES	∌ NO	
_			YTIOI			•			cl	FILTRATE ODOF	e no
NONE	SLIC		MODERATE		X VEF		QC SA		MSD	DUP-	
DISPOSAL	METHOD.[GROUN	D DRUM	X	OTHER		COMM	ENTS: Fp.	0.2 C	00-11	AIK-150
										Management of the state of the	
										1 a.	養化芸術、作業
1246	400	6.33	1677	1	15.9	6	.66	>5000	9.99	5.27	INITIAL
1251		6.46	1608	10	24.0) 3	.32	1314	9.23	5.30	2.0
1256		6.55	1590	10	1. (1 3	.50	92.1	8.77	5.30	4.0
1301		6.57	1596	9	8.8	· 3	.57	26.8	8.65	5.30	6.0
1306		6.57	1601	9	7.0	•	3.68	17.8	8.7/	5.30	8.0
13//		6.58	1604	9	4.6			14.0	8.66	* 5.30	10.0
1316		6.58	1606		75.3	3 3	1.20	13.9	8.68	5.30	12.0
1321		6.58	1606		2.5			15.2	8.64	5.30	14.0
	•	.	10-0	Ť	<u>, , , , , , , , , , , , , , , , , , , </u>	-				0.00	1 1.0
		71 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 	· · · · · · · · · · · · · · · · · · ·	 							 , · · · · · · · · · · · · · · · · · · ·
NOT	T. QTAD!	IZATION T	EST IS COMPI	ĖTE	WHEN	2 614	CE66II	/E DEADINGS	ADE WITHIN	THE FOLLOWIN	G LIMITE:
pH: +/- (5 (<100 ORP:		. vvri e r			% TURB: +/-			TEMP: +/- 0.5°C
P		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			NONE					H E-HC	
NUMBER		TYPE	PRESERVAT				- HNO3 NUMB	C - H2SO4 BER SIZE	TYPE	PRESERVATION	
NUMBER 2	SIZE 40 mL		E	· V E	FILI	ERED	NUMB 2		AMBER		
<u> </u>		VOA			□ Y	☑ N	1	125 mL	PLASTIC	. A	
2	40 mL	VOA	A					125 111	PLASTIC	В	
1 -	100 ml	PLASTIC	F		∐ Y	☑ N	 				
1	250 mL	PLASTIC	A	<u></u>		☑ N	-				
1	125 mL	PLASTIC	С		<u> </u>	VN					
SHIPPING	METHOD:	Fid	5x D	ATE	SHIPP	ED:	3-15	-01	AIRBILL	NUMBER: 85 <u>8</u>	152512325
COC NUME	COC NUMBER: NA SIGNATURE: Sattifulal DATE SIGNED: 3-15-11										

REVISED 03/2008

PROJECT NAME	: LE Car	penter			4.772 [115]					
PROJECT NUMB	ER: 01545.4	46.001	BY	SM/SP	DATE:3-/5	-11 BY:PP	1	DATE: CVIQUI		
			WELL DIAMET	ER: 🗸 2"	4"6	S" OTHER	\			
WELL MATERIAL:	Confidence of the second relation of a constitution	K ss □	IRON GALVA	NIZED ST	EEL	OTHER				
SAMPLE TYPE:	☑ GW	□ww □	SW DI	_ LE	ACHATE	OTHER				
	TIME: 19	103 04	NTE: 3-15-11			TIME: /533	S DA	TE: 3-15-11		
PURGE			t. Bladdy	PH:	• 75 su					
METHOD:	BAILER			ORP: 8	14.7 mV	DO: 0	.2/ mg/	L		
DEPTH TO WATE	R: <u>4.58</u>	T/ PVC		TURBIDIT	Y: 91/5	_ NTU				
DEPTH TO BOTT		T/ PVC		NONE		_	ODERATE	☐ VERY		
WELL VOLUME:		LITERS	GALLONS	TEMPERA	TURE: 60	56 °C 0	THER:			
VOLUME REMOV			GALLONS	COLOR:	ur		OOR:	no		
COLOR:	Brown	n OE	OOR: 10	FILTRATE	(0.45 um) 🖟		NO			
		BIDITY	· .	FILTRATE			LTRATE ODO	R: 10		
NONE		MODERATE	✓ VERY	QC SAME			DUP-			
DISPOSAL METH	OD: GROUN	ID DRUM	X OTHER	COMMEN	its: <i>Fe-O</i>	.J AIK-	150 CO	2-11		
海域地域等等					CANTO COST TO SERVICE DE LA		的第一下 第	ENTIAL SERVICE		
1403 400	_	899	 	l l	085	8.11	4.58	INITIAL		
1408	6.65	911			520	7.29	4.52	2.0		
1413	6.70	888	88.6 0	.35	194	6.93	4.54	4.0		
1418	6.68	911	90.7 0	1.26	89.9	6.94	4.56	6.0		
1423	6.71	917	90.4 0	1.23	56.1	6.93	456	8.0		
1428	6.73	914	89.3 0	.22	44.5	6.88	4.56	10.0		
1433	6.74	9/2	88.50	.22	47.5	6.82	4.56	120		
1438	6.71	914	88.2 0	.23 2	8.3	6.89	4.56	14.0		
1443	6.72	915			2.0	6.82	4.56	16.0		
1448	6.73	918	 		143	6.89	4.56			
		A	LETE WHEN 3 SU		,			·		
pH: +/- 0.1	•	5 (<100 ORP			TURB: +/-			TEMP.: +/- 0.5°C		
Section to the section of the sectio	PRESERV	ATIVE CODES	A - NONE B	- HNO3	C - H2SO4	D - NaOH	E - HC	L F		
NUMBER SIZ	E TYPE	PRESERVAT	TIVE FILTERED	NUMBER	R SIZE	TYPE	PRESERVATI	VE FILTERED		
2 40 n	L VOA	Е	· □Y ☑N	2	1 L	AMBER	Α	□Y ☑N		
2 40 n	nL VOA	A	□ Y ☑ N	1	125 mL	PLASTIC	В	✓Y □N		
1 100	mi PLASTIC	F	UY VN	1,2 88				□Y □N		
1 250	nL GLASS	A	□Y ☑N		-		· · · · · · · · · · · · · · · · · · ·	UY UN		
. 1 125		С	OY V					OY ON		
SHIPPING METH	OD: 3-15	-1/	DATE SHIPPED:	3-15-	11	AIRBILL N	JMBER: 858	8152512325		
COC NUMBER:	N	'A s	GIGNATURE:	(at M	WW.h-	DATE SIGN		3-16-11		
	REVISED 03/2008									

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter		Market.	AREC	First Cite	KED.
PROJECT NUMBER:	01545.46.001	BY:	SM/SP	DATE:3-15-11	BY: KP	DATE: UNG/II

						eridistallolisti Seridistallolisti			
1453		6.67	920	88.9	0.19	23.5	6.91	4.56	20.0
1458		6.69	918		0.19		6.79	4.56	· · · · · · · · · · · · · · · · · · ·
1503		6.71	919	86.2	6.27		6.85	4.56	24.0
1508		6.74	922	85.5	0.44	21.8	6.91	4.56	26.0
1513		6.74	928	85.3	0.24	21.0	6.92	4.56	28.0
1518		6.73	927	84.9	0.22	46.4	6.81	4.56	30.0
1523		6.75	929	84.8	0.22	56.7	6.81	4.56	32.0
1528		6.74		84.8	0.21		6.60	4.5%	34.0
1533	V	6.75	914	84.7	0.21	9.15	6.56	4.56	36.0
-			*						
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Sct Millb

DATE SIGNED: 3-15-11

E Carpenter 1545.46.001 PVC SS GW WW G	BY WELL DIA IRON GA SW DI DATE: 3/15/11	SM/SP METER: METER: METER: PH: ORP: TURB: NO TEMPE COLO	2" 4" STEEL LEACHATE U.US SU —94 m IDITY: 8.66 NE SLICE ERATURE: 8	BY: 12 6" OTHE OTHE OTHE TIME: 092 U CONDUCT V DO: NTU GHT	R R R DATE DATE DATE DE LA COMPANION DE LA COM	DATE: 4/19/
11545.46.001 PVC	WELL DIA IRON GA SW DI DATE: 3/(5/11	SM/SP METER: METER: PH: ORP: TURB: NO TEMPE COLO	DATE: 7/3 2" 4" STEEL LEACHATE LEACHATE 10:15 SI -94 m NE SLICE ERATURE: 8 R: MAL CL	6" OTHE OTHE OTHE TIME: 092 U CONDUCT V DO: NTU GHT	R R R R DATIVITY: 9/2- 0:36 mg/l MODERATE DIDOR:	DATE: 4/19/
E: C 359 DE BLANDER ER 35 T/ PVC 14 DE LITERS D LITERS THE STANDER D LITERS THE STANDER D LITERS THE STANDER D LITERS	WELL DIA IRON GA SW DI DATE: 3/(5/11	PH: ORP: TURB: NO TEMPE	2" 4" C	6" OTHE OTHE OTHE TIME: 092 U CONDUCT V DO: NTU GHT	R R R P DA IVITY: 9/2 O:36 mg/l MODERATE DHER:	TE: 3/15/// umhos/o L VERY
E: C 359 D E: C 359 D ER 35 T/ PVC 14	IRON GA	PH: ORP: TURB: NO TEMPE COLO	2" 4" C	6" OTHE OTHE OTHE TIME: 092 U CONDUCT V DO: NTU GHT	R R DATE FIVITY: 9/2 O:36 mg/l MODERATE DHER:	umhos/c
E: C 359 D E: C 359 D ER 35 T/ PVC 14	IRON GA	PH: ORP: TURB: NO TEMPE COLO	LEACHATE LEACHATE LIUS SI -94 m' IDITY: 8.66 NE SLIG ERATURE: 8 R: MAL CL	OTHE TIME: 0 9 Z U CONDUCT V DO: NTU GHT	R 4 DA FIVITY: 9/2 0:36 mg/I MODERATE OTHER:	umhos/c
E: 0359 D P: 15/10/1026 ER 35 TI PVC 165 TI PVC 17	GALLONS	PH: ORP: TURB NO TEMPE COLO	0.05 SI -94 m³ IDITY: 8.66 NE □ SLIC ERATURE: 8 R: Ma Cl	TIME: 0 9 Z U CONDUCT V DO: NTU GHT	DATIVITY: 9/2 O:36 mg/l MODERATE DHER:	umhos/c
P BIAMER ER 35 TI PVC 14 D LITERS D D LITERS THAT GIVENS	GALLONS	ORP: TURB	DITY: \$ 186 NE SLICE ERATURE: \$ R: MALC	CONDUCT CON	######################################	umhos/c
P BIAMER ER 35 TI PVC 14 D LITERS D D LITERS THAT GIVENS	GALLONS	ORP: TURB	DITY: \$ 186 NE SLICE ERATURE: \$ R: MALC	CONDUCT CON	######################################	umhos/c
ER 35 T/ PVC 165 T/ PVC 14 LITERS 5 LITERS 154 FIOUES	GALLONS	ORP: TURB	_94 m' IDITY: <u>8.66</u> NE □ SLICE RATURE: <u>8</u> R:MM_CL	DO: NTU GHT	0:36 mg/l MODERATE DTHER:	L VERY
165 ti pvc 14 Liters 0 Liters 164 Fichies	GALLONS	TEMPE COLO	NE SLIC ERATURE: B R: 1901 CL	GHT	OTHER:	rne
D LITERS LITERS ALL FICHIES	GALLONS	TEMPE	RATURE: B	. <u>\$6</u> °c c 24	OTHER:	rne
D LITERS	GALLONS	COLO	R: March	YES [DDOR:	
mys Fichteso				YES [
	DOR: NE	FILTRA	ATE (0.45 um)	\$1)	☑ NO	
TURBIDITY			,			
			TE COLOR:		FILTRATE ODO	R: NO
MODERATE	U VERY			MSD [DUP-	
GROUND DRUM	OTHER	COM	MENTS: A//E	. 50	cuz 25	Fz: 10
					を調整性であります。 とも	
Marine de la communicación			7年から、大学学		Brann Jako	
77 936	59	4.87	85.6	7.24	5.35	INITIAL
५५ ११५	-45	1.42	42.3	8-13	5.45	2
58 713	- 74	0.63	34.7	\$.34	5.45	4
15 812	-33	043	16.7	4.51	5.45	6
64 913	- 9/	0.41	12.7	8.53	5.45	8
65 712	-94	0.36	8.88	8.56	5.45	10
·						
-						
TION TEST IS COME	DI ETE WHEN 2	SUCCESSI	VE READINGS	ARE WITHIN T	HE EUL I UMIN	IC I IMITE:
	77 936 54 914 58 713 65 112 611 913 65 712 TION TEST IS COMMID:: +/- 5 (<100 OR	77 936 59 54 914 -45 58 913 -74 65 112 -33 61 913 -91 65 112 -94 TION TEST IS COMPLETE WHEN 3	77 936 59 4.87 54 914 -45 1.42 58 913 -74 0.63 45 112 -83 0 43 611 913 -91 0.41 65 112 -94 0.36 TION TEST IS COMPLETE WHEN 3 SUCCESSI D.: +/- 5 (<100 ORP: +/- D.O.: +/- 10	77 936 S9 4.87 85.6 54 914 -45 1.42 42.3 58 713 -74 6.63 34.7 65 112 -83 043 16.7 65 712 -94 0.36 8.88 TION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS 10.: +/- 5 (<100 ORP: +/- D.O.: +/- 10% TURB: +/-	77 936 59 4.87 85.6 7.24 54 914 -45 1.42 42.3 8.13 58 913 -74 6.63 34.7 8.34 15 112 -88 0 43 16.7 8.51 61 913 -91 0.41 12.7 8.53 65 912 -94 0.36 8.88 8.56 TION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN TID.: +/- 5 (<100 ORP: +/- D.O.: +/- 10% TURB: +/- 10% or	77 936 S9 4.87 85.6 7.24 5.35 54 914 -45 1.42 42.3 8.43 5.45 58 913 -74 0.63 34.7 8.34 5.45 64 913 -91 0.41 12.7 8.53 5.45 65 912 -94 0.36 8.88 8.56 5.45 TION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWIND: +/- 6 (<100 ORP: +/- 10 % TURB: +/- 10 % or -

pH: +/-	0.1	COND.: +/-	5 (<100 ORP: +/-		D.O	.: +/- 10 %	TURB: +/-		= 10 TEN</th <th>MP.: +/- 0.5°C</th>	MP.: +/- 0.5°C
1917 1918 A	Approximately and the second	PRESERV	ATIVE CODES A-	NONE	В	- HNO3	C - H2SO4		H E-HCL	F
NUMBER	SIZE	TYPE	PRESERVATIVE	FILT	ERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	□ Y	☑ N	2	1 L	AMBER	Α	□Y ☑N
2	40 mL	VOA	Α	□ Y	☑ N	. 1	125 mL	PLASTIC	В	IJY □N
1	100 ml	PLASTIC	F	□ Y	☑ N					□ Y □ N
1	250 mL	GLASS	Α	□ Y	V					☐ Y ☐ N
1	125 mL	PLASTIC	С	□ Y	V					□ Y □ N
SHIPPING	THIPPING METHOD: DENER DATE SHIPPED: 31541 AIRBILL NUMBER: \$58,1525,17325									

COC NUMBER: REVISED 03/2008

Γ.	ter i permitera la	*			<u>-</u>	437834311	14.8	er i japa i pang	CONTRACTOR SCHOOL	GOMEN AND A	2014年1月1日
P	ROJECT N	NAME:	LE Carp	enter			ne Kider			(a) 24-5-31-24-11	
P	ROJECT N	NUMBER:	01545.4	6.001		BY	SM/SP	DATE: 3	15/11 BY: N	ا عم	PATE: UZIAZH
	rich a division I distribution della Explication della della				WELL	DIAME:	TER: 🗹	2" 🗌 4" [6" OTHE	R	
M	ELL MATE	RIAL: []PVC [_ss _	IRON _	GALV	ANIZED :	STEEL	OTHE	R	
S	AMPLE TY	PE:	/] GW []ww 🗆	SW [DI		LEACHATE	OTHE	R	
Carlo State			TIME: 10	टिय 🕏	TE: 3/15	7/11		Alac Association	TIME: //40	DAT	TE: 3/15/11
Γ	PURGE	P	UMP _	Blannes			PH:	6,85		TIVITY: <u>668</u>	umhos/cm
L	METHOD:		BAILER _				ORP:	-36		1.18 mg/l	
ľ	DEPTH TO			T/ PVC			TURBI		6 NTU	•	.
-	DEPTH TO			T/ PVC			NO		<u> </u>	MODERATE	☐ VERY
-	VELL VOLU		9.28	LITERS	GALLO		+	A 1		OTHER:	pone
1	VOLUME REMOVED: 30 CLITERS GALLONS COLOR: VOLUME ODOR: VOLUME REMOVED: 30 ODOR: VOLUME ODOR: VOL										
F	TURBIDITY FILTRATE COLOR:										
ŀ	NONE	SLIG		MODERATE	PRI	ERY		·	AS/MSD	DUP-	K: 10
ĥ	DISPOSAL	METHOD:[GROUN	 	OTHE	R	COMM	MENTS: ALK	100 Co2	-: <10 F	e: 1.0
			PERMI						BUT THE FAME		
光线连续			inetil!				F.M.				
ľ	1024	400	7.23	358 g	_ 0	CONTRACTOR AND	676	318	6.36	2.25	INITIAL
H	1034	, =	1.33	332	-42		141	130	7.51	Z.3c	2
-	1039	-V	6.94	330	-5		0.45	112	7.50	230	ū
Г	1044		6.93	826	-5		0,33	86,6	7.37	7.30	6
ľ	1049		6.92	816	-56		5.35	71.8	7.32	2.30	8
ŀ	1054		6.90	756	- 53		0.74	72.9	7.15	2.30	10
- 1	1057		6.88	715	-40		101	59.9	6.76	2.30	12
t	1104		890	698	-4		1.09	51.8	6.92	2.30	14
l	1109		6.86	685	-43		1.11	36.0	6.79	2.30	16
ŀ	1114		6.85	680	741		1:12	29.6	6.75	736	18
L		E- STARIL					<u> </u>	······································	S ARE WITHIN		L
	pH: +/-		*	5 (<100 ORF				% TURB:			TEMP.: +/- 0.5°C
ı			PRESERV	ATIVE CODES	A - NON	E E	3 - HNO3	C - H2S	604 D - NaOl	H E-HC	EL F
	NUMBER	SIZE	TYPE	PRESERVA		TEREC	T			PRESERVATI	
	2	40 mL	VOA	E		· [7]	v 2	1 L	AMBER	A	□Y ☑N
	2	40 mL	VOA	Α				125 m		В	□ Y □ N
	1	100 ml	PLASTIC	F				-			
	1	250 mL	GLASS	. A			v				UY UN
	. 1	125 mL	PLASTIC	С		/ [J]	N ·				□ Y □ N
	SHIPPING	METHOD:	Fede	214	DATE SHIP	PED:	3/1	5/u	AIRBILL	NUMBER: 858	31525 1232,5
	COC NUM		NP		SIGNATUR		31	الداس	DATE SI		3/15/11
		REVISED 03/2008									

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter				Tall Control		
PROJECT NUMBER:	01545.46.001	BY:	SM/SP	DATE:3	slu	BY: PCP	DATE: WIGH

Sa probabili				新教员教					
1119	460	6.85	672	-39	1.13	21.3	6.78	2.36	05
2124	1	6.84	670		1.13	18.4	6.51	2.30	22
1129	. 4/	6.84	669	736	1.13	15.1	675	2.30	24
1134		6.97	666	-37	1.14	14.6	671	2.30	26
1139		6.85	667	- 36	1.13	12.1	665	2.30	28
1144		6.45	668	-36	1.18	9.6	6.72	2.30	30
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SIGNATURE:

DATE SIGNED: SUS

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रुका अमारिका	Tions base								
PROJECT	NAME:	LE Carp	enter						
PROJECT	NUMBER:	01545.4	6.001	ВҮ	SM/SP	DATE 3/15	BY:	U	DATE: UNA/N
	E TE	WW.		WELL DIAM	METER: 🔽	2 🛛 4" 🗆	6"	R	
WELL MATE	RIAL:	PVC [SS	IRON GA	LVANIZED	STEEL	OTHE	R	<u></u>
SAMPLE TY	PE:	∕G W [] ww [SW DI	- 🗆	LEACHATE	OTHE	R	
100		TIME: 17:	35° D	ATE: 3/15/11			TIME: 1310	DA	TE: 3/15/11
PURGE			bladder	-110/	PH:	7,02 SI		- D.	
METHOD:		BAILER			ORP:	-139 m		0,18 mg/	 L
DEPTH TO	WATER:	175	T/ PVC		TURBI		NTU		
DEPTH TO	BOTTOM:		T/ PVC		NO			MODERATE	☐ VERY
WELL VOLL	JME: _	11.44	LITERS	GALLONS	$\rightarrow \leftarrow$.71 °C	OTHER:	
VOLUME R			LITERS	GALLONS	- 3				one
COLOR: (BIK. Flo		DOR: VÔ	_	ATE (0.45 um)	- 1	☑ NO	10
NONE	173		DITY	☐ VERY		TE COLOR:	MED.	FILTRATE ODO	R: 10
DISPOSAL		GROUN	MODERATE D			MPLE: MSA	MSD Cis	·······	e: 20
577 72 32 S	N THE PERSON		O TEMPERATURE		G ALCHEMAN	Maria de caración del California de		, 20 F	e: 20
1235	000	6.91	864	-60	4.61	123	8.46	1.75	INITIAL
1240	i	6.97	865	-109	1.05	581	8.96	2.15	2
1245	•	7.00	867	-126	0.68	94.8	8-95	2.15	4
1250		6.99	866	-131	0.42	50.7	8.87	215	6
1255		6.99	866	-133	0.32	39.9	8.86	2.15	8
0300		7.00	866	-136	0.25	35.8	8.82	2.15	10
1305		7.04	865	-138	0.19	38.6	8.80	2.15	12
1310		7.02	864	-139	0.18	36.2	8.71	2.15	14
		_	· · · · · · · · · · · · · · · · · · ·	•					
NO	re: Stabil	IZATION T	EST IS COMP	LETE WHEN 3	SUCCESSI	VE READINGS	ARE WITHIN	THÈ FOLLOWIN	IG LIMITS:
pH: +/-				P: +/- [TEMP.: +/- 0.5°C
		PRESERV	ATIVE CODE:	A - NONE	B - HNO3	C - H2SO4	D - NaOl	I E-HC	L F
NUMBER	SIZE	TYPE	PRESERVA	TIVE FILTER	ED NUMI	BER SIZE	TYPE	PRESERVATI	VE FILTERED
2	40 mL	VOA	E	□ Y []] N 2	1 L	AMBER	A	□Y ✓ N
2	40 mL	VOA	A	□ Y [] N 1	125 mL	PLASTIC	В	√ Y □ N
1	100 ml	PLASTIC	. F	□ Y] N				□Y □N
1	250 mL	GLASS	A	□ Y] N				□ Y □ N
1	125 mL	PLASTIC	С	Y. [✓] N				☐ Y ☐ N
SHIPPING	METHOD:	Fede	λ	DATE SHIPPED	1	5/11	AIRBILL	NUMBER: 85	इड्डाइड 🌓
COC NUM	BER:	NIA		SIGNATURE:	3 10	uliz	DATE SI	GNED: 3	15/11
REVISED	03/2008					$\overline{}$	· · · · · · · · · · · · · · · · · · ·		

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\MAGe				
	, '		2 1	ŀ
		7 🗪	1	ŀ
Property of the same				

PROJECT	NAME:	LE Carp	enter						
PROJECT	NUMBER:	01545.4	6.001	В	SM/SP	DATE: 3	5/11 BY: P	e [DATECURE
	W ng Pag			WELL DIA	METER: V	2"	6" OTHE	R	
WELL MATE	RIAL:	PVC J	SS 🗆		ALVANIZED		ОТНЕ	R	
SAMPLE TY	PE:	Z 'GW [sw D		LEACHATE	OTHE	R	
		TIME: \Y(3 D/	ATE: 3 15/1			TIME: /448	DA ¹	TE: 3/15/11
PURGE	ester for astron.		Bloonee		PH:	<u>6.96</u> s			umhos/cm
METHOD:		BAILER			ORP:	-134 m	V DO: _	0,18 mg/l	L .
DEPTH TO			T/ PVC			IDITY: 9/17	NTU		
DEPTH TO	BOTTOM:_	27.88			_ NO			MODERATE	☐ VERY
WELL VOLU		15,30	LITERS	GALLON				OTHER:	
VOLUME R		14	LITERS	☐ GALLON					ne
COLOR:	<u> </u>	nge_		DOR: NO		ATE (0.45 um)	$\overline{\Omega}$	✓ NO	R: NO
NONE	SLIC	TURB	IDITY MODERATE	VERY		ATE COLOR:(AMPLE: MS	MSD	FILTRATE ÓDOI DUP-	₹ 20
DISPOSAL		GROUN		<u> </u>				2:16	Fe: >20
							THE PURE		
	194 194								
1413	400	607	831	77	4.58	7 (000	૧. ५૬	3.10	INITIAL
1418	400	6.73	807	- 82	1.36	116	10.28	3.10	Z
	(803		0.37	49.4	10.40	3.10	4
1423		6.79	797	-121	0.44	28.3	10:17	3.0	6
1478	- V -	1 900-9	794	-125	 	 	10.44	3.10	8
1433		192	795	 	0.36	18.8	10.47	3.10	10
1938		6.92	793	-129	0.21		 	3.10	12
1443		6.96		-131	0.18	19.7	10.56		
1448		6,96	793	-134	- 10	9.17	10.53	3.10	14
				 		· · · · · · · · · · · · · · · · · · ·		'	
<u></u>									
		•		'		IVE READINGS) % TURB: +/-			
pn. +/-	0.1					·		****	TEMP.: +/- 0.5°C
	1		ATIVE CODES		B - HNO		T		L F
NUMBER	SIZE	TYPE	PRESERVAT			BER SIZE	TYPE	PRESERVATIV	
2	40 mL	VOA	E	 <u> - - -</u>	7 N 2		AMBER	Α	O V O N
2	40 mL	VOA	A		7 N 1	125 mL	PLASTIC	В	O V D
1	100 ml	PLASTIC	F		√ N .				L Y L N
1	250 mL	GLASS	A		✓ N				
	125 mL	PLASTIC	C	31	√N		<u> </u>		LY LN
SHIPPING	METHOD:		<u>γ</u> τ	DATE SHIPPEI	0: 31	15/11	AIRBILL I	NUMBER: 858	1575 12323
COC NUM		NA		SIGNATURE:	<u>31</u>	melic,	DATE SIG	GNED:	5/05/U
REVISED	03/2008					0		\	

	R	M	
A			S 200 V

REVISED 03/2008

PROJECT N		LE Carp	enter						
PROJECT N	NUMBER:	01545.4	6.001	BY	SM/SP	DATE: 3/15	5/1/ BY: M	D	ATE: Wall
1960年,4. 福田市				WELL DIAME	TED: TZ	50 00 - market Free			
WELL MATE	PIAL:	∃ PVC [SS IR	<u> </u>	/ANIZED ST		OTHE		
SAMPLE TY		7GW []ww □sv			EACHATE	OTHE		
		TIME: 15(3/15/11		9 96 25 . v 3. l			E:3/15/11
	No. 12 CONTRACTOR		00022	- 3/13/11	PH: G	94 su	TIME:/55	- 400	umhos/cm
PURGE METHOD:		BAILER	(0.790		ORP:			0, {/ mg/L	
DEPTH TO			T/ PVC		TURBID		_ NTU		
DEPTH TO		18,70	T/ PVC		NON	E SLIG	- SHT	MODERATE	☐ VERY
WELL VOLU	ME:	9,54	LITERS] GALLONS	TEMPER		<i>16</i> _•c (OTHER:	
VOLUME R			LITERS [GALLONS	COLOR:			DDOR: NON	ي
COLOR: C		BIK. Floor	ODOF	8: <u> N 0</u>	FILTRAT	E (0.45 um)		✓ NO	
Linone	125	TURB	JDITY MODERATE	□ venv				FILTRATE ODOR	
DISPOSAL	SLIC			OTHER	QC SAN		MSD (F2:>20
PART STREET	1012 TTOD.		DI DIKOM V	Name of the last o		ALC:	70 (0	72:30	-2. / 20
1518	400	6-91	808	-90	4.20	125	9.00	325	INITIAL
1523	i	6.99	795	-126	0.55	160	9.17	3.75	2
1328	V	6.93	789 -	-128	6.32	66.0	9.03	3.25	4
1533		6.93	788	-130	0.23	34.9	9.00	3.25	6
1538		6.92			0.16	23.8	9,12	3.25	8
1543		€.95	781	-134	0.15	18.6	9.20	3.25	10
1548		695	779	-135	0,14	M. t	9.78	3.25	12
1553		6.94	778	-136	0.11	9.8	9.26	3.75	M
									·
					•		· .		
NOT	E: STABIL	IZATION TI	EST IS COMPLET	FE WHEN 3 St	UCCESSIVE	E READINGS A	RE WITHIN 1	HE FOLLOWING	G LIMITS:
pH: +/-	0.1	COND.; +/-	5 (<100 ORP: +	/- D.0	O.: +/- 10 %	6 TURB: +/-	10 % or	= 10 T</td <td>EMP: +/- 0.5°C</td>	EMP: +/- 0.5°C
	FIF (- 1)	PRESERV	ATIVE CODES A	- NONE	B - HNO3	C - H2SO4	D - NaOH	I E-HCL	. F
NUMBER	SIZE	TYPE	PRESERVATIVI	E FILTERE	D NUMBE	R SIZE	TYPE	PRESERVATIV	/E FILTERED
4/2	40 mL	VOA	E		- 	1 L	AMBER	. A .	□Y ☑N
4,2	40 mL	VOA	A			125 mL	PLASTIC	В	✓Y □N
2 7	100 mi	PLASTIC	F			16	plastic	A	
1	250 mL	GLASS	*						OY DN
21	125 mL	PLASTIC	<u> </u>		N				
SHIPPING	METHOD:	-		E SHIPPED:	3/15	14	AIRBILL I	NUMBER: 8580	122 12322
COC NUM	BER:	NI	R sig	NATURE:	3 Ve	while	DATE SIG	SNED:	105/11

REVISED 03/2008

WATER SAMPLE LOG

PROJECT NAME: LE Carpenter PROJECT NUMBER: 01545.46.001 BY SM/SP DATE: 3-15-1/ BY: QR DATE: 40/6" OTHER WELL DIAMETER: 2" 4" 6" OTHER WELL MATERIAL: PVC SS IRON GALVANIZED STEEL OTHER SAMPLE TYPE: GW WW SW DI LEACHATE OTHER TIME: 165 3 DATE: 3-15-1 PURGE PUMP PLI: 5-15-2 PH: 6.72 SU CONDUCTIVITY: 568 umhos/cm METHOD: BAILER ORP: 57.5 mV DO: 2.21 mg/L DEPTH TO WATER: 578-4 T/ PVC TURBIDITY: 1/m NTU DEPTH TO BOTTOM 12.12 T/ PVC WELL VOLUME: 9.91 ElITERS GALLONS TEMPERATURE: \$.52 °C OTHER: VOLUME REMOVED: 9.9 ELITERS GALLONS COLOR: 1-10-16-16-16-16-16-16-16-16-16-16-16-16-16-
WELL DIAMETER:
WELL MATERIAL:
SAMPLE TYPE: GW WW SW DI
TIME: 1653 DATE: 3-15-1 PURGE PUMP PRISTAINCE PH: 6.52 SU CONDUCTIVITY: 568 umhos/cm METHOD: BAILER ORP: 57.5 mV DO: 2.21 mg/L DEPTH TO WATER: 57.4 T/ PVC TURBIDITY: NM NTU DEPTH TO BOTTOM: 13.12 T/ PVC NONE SLIGHT MODERATE VERY WELL VOLUME: 4.41 PLITERS GALLONS TEMPERATURE: 8.52 °C OTHER: VOLUME REMOVED: 9.9 PLITERS GALLONS COLOR: NONE NO COLOR: DOWN ODOR: NO TURBIDITY 263 FILTRATE (0.45 um) NY YES NO FILTRATE COLOR: CIC FILTRATE ODOR: NO DISPOSAL METHOD GROUND DRUM OTHER COMMENTS: F9-0.1 A1K-150 CO.5-18
PURGE METHOD: PUMP PURISHALTIC PH: 6.82 SU CONDUCTIVITY: 568 umhos/cm METHOD: □ BAILER ORP: 57.5 mV DO: 2.2 mg/L DEPTH TO WATER: 578.4 T/ PVC TURBIDITY: NM NTU DEPTH TO BOTTOM 12.12 T/ PVC □ NONE SLIGHT □ MODERATE □ VERY WELL VOLUME: 4.4
METHOD: □ BAILER ORP: \$7.5 mV DO: 2.21 mg/L DEPTH TO WATER: \$7.5 t/ PVC TURBIDITY: \$\mathcal{N} m\ \text{N} m\ \text{NTU}\$ DEPTH TO BOTTOM: \$1.12 t/ PVC □ NONE \$\mathcal{S} \text{SLIGHT} \ □ \text{MODERATE} \ □ \text{VERY}\$ WELL VOLUME: \$\mathcal{Y} \mathcal{Y} \text{LITERS} \ □ \text{GALLONS} \ \text{COLOR: \$\mathcal{E} \text{COLOR:} \text{LITERS} \ □ \text{ODOR:} \text{ODOR:} \text{ODOR:} \text{ODOR:} \text{DOOR:} DOO
DEPTH TO WATER: 5784 T/ PVC DEPTH TO BOTTOM 13.12 T/ PVC WELL VOLUME: 4.41 VITERS GALLONS VOLUME REMOVED: 9,9 VITERS GALLONS COLOR: VOLUME ODOR: ODOR: ODOR: OD FILTRATE (0.45 um) VIES NO TURBIDITY 263 MODERATE VERY FILTRATE COLOR: C C FILTRATE ODOR: NO DISPOSAL METHOD GROUND DRUM OTHER TOMMENTS: F2-0.1 A1K-150 C03-18
DEPTH TO BOTTOM: 13.12 T/ PVC WELL VOLUME: 4.41 LITERS GALLONS TEMPERATURE: \$.52 °C OTHER: VOLUME REMOVED: 9.9 LITERS GALLONS COLOR: LITERS GALLONS COLOR: LITERS GALLONS COLOR: LITERS ODOR:
WELL VOLUME: 4.41 LITERS GALLONS TEMPERATURE: \$.52 °C OTHER: VOLUME REMOVED: 9,9 LITERS GALLONS COLOR: LITERS ODOR: DOOR: DOOR:
VOLUME REMOVED: 9,9 KLITERS GALLONS COLOR: W Den/ell Odor: no COLOR: No
COLOR:
TURBIDITY 263 NONE SLIGHT MODERATE VERY QC SAMPLE: MS/MSD DUP- DISPOSAL METHOD GROUND DRUM OTHER COMMENTS: Fg - 0.1 A1K-150 CO3-18 1653 300 7.27 555 62.5 3.31 263 9.11 5.84 INITIAL
□ NONE □ SLIGHT □ MODERATE □ VERY QC SAMPLE: □ MS/MSD □ DUP- DISPOSAL METHOD □ GROUND □ DRUM □ OTHER COMMENTS: Fg - O. (A1K-150 COg - 18 1653 300 7.27 555 62.5 3.31 263 9.11 5.84 INITIAL
1653 300 7.27 555 62.5 3.31 263 9.11 5.84 INITIAL
1653 300 7.27 555 62.5 3.31 263 9.11 5.84 INITIAL
1653 300 7.27 555 62.5 3.31 263 9.11 5.84 INITIAL
1.03 300 1.27 000 02.3 1.17 0007
1658 7.24 535 65.9 2.14 143 8.61 8.75 1.5
1703 7.23 531 68.5 2.20 102 8.42 9.34 3.0
1708 7.22 531 69.9 2.61 95.0 8.40 9.94 4.5
1713 7.23 547 69.0 3.56 66.7 8.27 10.87 6.0
1718 7.15 567 69.0 2.97 55.2 8.34 11.52 7.5
1723 6.75 579 63.0 2.01 44.1 8.46 12.30 9.0
1726 J 6.82 568 57.5 2.21 - 8.52 Pry 9.9
Pumped dry at 1726 on 3-15-11
Sangle at 0810 on 3-16-11
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:
pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/- D.O.: +/- 10 % TURB: +/- 10 % or = 10 TEMP.: +/- 0.5°C</th
PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F
NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED
2 40 mL VOA E YVN 2 1L AMBER A YVN
2 40 mL VOA A YVN 1 125 mL PLASTIC B VYN
1 100 ml PLASTIC F Y N DY N
1 250 mL GTASS A
1 250 mL STASS A Y N

REVISED 03/2008

WATER SAMPLE LOG

ROJECT N	AME:	LE Carp	enter							
ROJECT N	UMBER:	01545.4	6.001	BY	SM/	SP D/	ATE: 3 · /6	-11 BY: 10	P	DATEWAN
name a				WELL DIAM	ETER:	√ 2" [] 4" 🔲 (6" OTHE	R	
ELL MATE	RIAL:	PVC [≱ ss □ if	RON GAL	VANIZI	ED STEE	<u></u>	OTHE	R	
MPLE TYP	E: [☑ GW []ww □s	W DI		LEAC	HATE	OTHE	R	
i prij		TIME: 09	5 DAT	E: 3-16-11				TIME: /02	0	DATE: 3-16-11
PURGE			PEP Port	Bladde	L PH	6.0	DISTRICT THE PARTY OF			2 (umhos/c
METHOD:	E	BAILER			OR	P: <u>/2.</u>	5 m	/ DO: _	0.22	ng/L
EPTH TO \	WATER:	5.88	T/ PVC		ΤU	RBIDITY:	12.0	_ NTU		
EPTH TO I	BOTTOM:	 _	T/ PVC	·		NONE	SLIG		MODERATE	☐ VERY
ELL VOLU			LITERS [GALLONS		MPERATU			OTHER:	
OLUME RE			LITERS [GALLONS			ut Bra		ODOR:	no
OLOR:		cown	ODO	R: <u>10</u>			.45 um)	-1-	NO	
NONE	SLIC		IDITY 860 MODERATE	☐ VERY		SAMPLE		CIT MSD	FILTRATE OF	DOR: NO
ISPOSAL				OTHER		MMENTS		<u>-e</u> -16	AIK-II	80 (02-25
		MOSET WHEE	RESTAL CASCAGE		mesa.	1 1 77 60	秦 學等學學學	A STATE OF THE PARTY OF THE PAR	7/h-!!	Cog-
	建二二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二						n sign K			
CAC		1 416	1684		4	C	60	8.06	5.8	c INITIAL
	400	6.49	1647	136.4	0.2		13	9.04	5.88	
1950	1 1	6.64		74.5				9.16		
2955		6.74	1596	-	0.9		2.2		5.88	
000		6.78	1569	59.1	1	-	8.5	9.15		
005			1545	42.6	0.2		7.0	9.15	5.8	
0/0		6.82	1535	30.4	0.2		2.7			
1015		6.82	1529	20.0	0.2		2.	9.13	5.81	
1020	V	6.83	1521	12.5	0.2	2 1	0.0	9.10	2.88	7 14.0
				•	<u> </u>					<u> </u>
NOT	E: STABIL	IZATION TI	EST IS COMPLE				*		THE FOLLO	WING LIMITS:
pH: +/- ().1 (COND.: +/-	5 (<100 ORP:	+/- [).O.: +/-	10 %	TURB: +/-	10 % or	= 10</td <td>TEMP.: +/- 0.5</td>	TEMP.: +/- 0.5
		PRESERV	ATIVE CODES	A - NONE	B - HI	103	C - H2SO4	D - NaOl	1 E-	HCL F
NUMBER	SIZE	TYPE	PRESERVATIV	/E FILTER	ED N	UMBER	SIZE	TYPE	PRESERV	ATIVE FILTERE
. 2	40 mL	VOA	E		N	2	1 L ·	AMBER	Α	□ Y ☑
2	40 mL	VOA	A] N	1	125 mL	PLASTIC	В	✓ Y
1	100 ml	PLASTIC	F) N					
1	250 mL	CI-AS6	. A] N					
1	125 mL	PLASTIC	C	□ Y ☑] N					□ Y □
										

REVISED 03/2008

PROJECT	NAME:	LE Carp	enter			rius section				
PROJECT	NUMBER:			BY	SM/	SP I	DATE: 3/(6	BY: Q	S	DATE: A/A/II
1000 1000 1000 1000 1000 1000 1000 100				WELL DIA	METER:			6" OTHE		(<i>V V V</i>)
WELL MATE	ERIAL:	PVC	∕/ss □		LVANIZ			OTHE		
SAMPLE TY	'PE: [<u>্</u>]ww 🗆	SW DI	i		CHATE	OTHE	ER	
		TIME: 090	14 DA	TE:3/16/11				TIME: 1024	/ DA	TE: 3/K/V
PURGE	NO PROPERTY OF THE PARTY OF THE	PUMP	Blooger	2/19/1	PH	. 6	.72 si		TIVITY: 1000	umhos/cm
METHOD		BAILER		*	OF	P: <u>-3</u>	32 m	V DO:	422 mg/	L
DEPTH TO			T/ PVC			RBIDIT		NTU		_
DEPTH TO		- 4	T/ PVC			NONE	SLIC	79	MODERATE	VERY
WELL VOLU		5.85	LITERS LITERS	GALLONS GALLONS		MPERAT	TURE:		OTHER:	5
COLOR:	CAMA			OOR: PD		LOR:	(0.45 um)		ODOR: NO	
4	513		IDITY	- F		TRATE C	 		FILTRATE ODO	R:
NONE	SLIC		MODERATE	☑ VERY	. \	SAMP		MSD	DUP-	
DISPOSAL	METHOD	GROUN	D DRUM	OTHER	CC	MMENT	rs:1/K	160 C	02 ! 20	Fe: Z
	And the second	do will	2. 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				(1377) (2種類)	O THE COME		
						WK.	AL			
0944	400	6.49	1920	119	7.49	-	513	8.93	615	INITIAL
0949	1	653	2040	70	0.8		२८	2.35	6.20	ζ
0954	*	6.46	रएक	15	0.50	, <	1 3.3	958	6.20	4
6959		6.55	2180	-17	5.3		6.7	9.24	6.70	6
1004		6.63	2171	-30	0.7	8 2	25.0	251	6.70	8
1009		6.68	230	-33	0.73		4.7	9,60	6.70	10
1014		6.70	2030	-34	0.7	3 /7	2.9	957	6. 20	12
1019		6.71	2010	-33	0.2		32	9.65	6.70	14
1024		6.72	7000	-32	0.0	2 7	85	9.63	600	16
	l			<u> </u>	<u> </u>			<u> </u>		
NO.	TE: STABIL	LIZATION T	EST IS COMP	LETE WHEN 3	SUCCE	SSIVE R	READINGS	ARE WITHIN T	THE FOLLOWIN	IG LIMITS:
pH: +/-	0.1	COND.: +/-	5 (<100 ORP	: +/-	D.O.: +/-	10 %	TURB: +/-	10 % or	= 10</td <td>TEMP.: +/- 0.5°C</td>	TEMP.: +/- 0.5°C
alex :	3 1 2 2 3 6 5		ATIVE CODES		B-HN		C - H2SO4			
NUMBER	SIZE	TYPE	PRESERVAT			JMBER	SIZE	TYPE	PRESERVATI	
2	40 mL	VOA	E			2	1 L	AMBER	A	N O A
2	40 mL	VOA	A		N	-1	125 mL	PLASTIC	В	VY UN
1	100 ml	PLASTIC	F							UY UN
1	250 mL	GLASS PLASTIC	Α		/ N /	<u></u>				O V O N
	125 mL					. 7				
	METHOD:		 +-	ATE SHIPPED		16/1	1			1525 12314
COC NUM	BER:	NA	\s	IGNATURE:	5L	<u>wl</u>	<u> </u>	DATE SIG	SNED: S//	<i>[[[L]</i>]

DATE: 4/19/11

-	4	_
	1	
		:

LE Carpenter

01545.46.001

PROJECT NAME:

PROJECT NUMBER:

WATER SAMPLE LOG

SM/SP

DATE: 3-16-11 BY: (CP

		网络那种		WELL DIAME	TER: 🗸	2"	3" OTHE	R·			
WELL MATERIA	۱L: [PVC [V]ss □	RON GAL	VANIZED S	TEEL	OTHE	R			
SAMPLE TYPE	: [☑ GW [_w □	SW DI		EACHATE	OTHE	R			
		TIME: //	12 DA	TE: 3-16 - 1/			TIME: 114	2 D	ATE: 3-16-11		
PURGE	∠ F	PUMP (DED B	ladder	PH:	6.91 SL	CONDUCT	IVITY: 9	13 umhos/cm		
METHOD:	☐ E	BAILER	. 	·	ORP:	0.5 m	/ DO:	2.56 m	g/L		
DEPTH TO WA	ATER: _	5.37	T/ PVC		TURBIC	OITY: 9.99	NTU				
DEPTH TO BO	ТОМ:	15.43	T/ PVC		™ NON			ODERATE	☐ VERY		
WELL VOLUME	<u>:</u>	6.21	LITERS	GALLONS	TEMPE	RATURE: 6	.99 °c	OTHER: _			
VOLUME REM			LITERS	GALLONS	COLOR	: cir		DOR:	10		
COLOR: Brown ODOR: NO FILTRATE (0.45 um) RYES NO											
	TURBIDITY 2092 FILTRATE COLOR: _C.C. FILTRATE ODOR: _^O										
NONE	SLIC		MODERATE	VERY		MPLE: 🔼 MS/I	MSD [DUP-			
DISPOSAL ME	DISPOSAL METHOD: GROUND DRUM & OTHER COMMENTS: FL - 0.2 ALK-120 Co2- 14										
					1				i in the second		
1112 4	100	7.14	860	-31.2	4.84	2092	7.06	5.37	INITIAL		
1117		6.94	932	-19.7	2.86	401	6.98	5.37	2.0		
1192		6.90	971	-11.8	2.44	50.4	6.91	5.38	4.0		
1127		6.90	985	-7.4	2.51	20.5	6.90	5.38			
1132		6.90	990	-4.3	2.54	14.9	6.92				
1137		6.91	991	-1.6	2.45	12.2	6.95				
		6.91	993	0.5	2.56	9.94	6.99				
1142	*	6.11	773	0.0	2.06	1.79	6. (1	7.38	(2-0)		
			·			· · · · · · · · · · · · · · · · · · ·					
\ <u></u>											
<u> </u>		<u></u>	*					1			
NOTE:				ETE WHEN 3 S				HE FOLLOW	ING LIMITS:		
pH: +/- 0.1	(COND.: +/-	5 (<100 ORP	+/- D.	O.: +/- 10	% TURB: +/-	10 % or	= 10</td <td>TEMP: +/- 0.5°C</td>	TEMP: +/- 0.5°C		
eğ k	स्वास्त्र सिंधः -	PRESERV/	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - NaOH	E-F	ICL F		
NUMBER	SIZE	TYPE	PRESERVAT	VE FILTERE	D NUMB	ER SIZE	TYPE	PRESERVA	TIVE FILTERED		
84 4	10 mL	VOA	E	- Y	N V2	Y 1L	AMBER	Α	OY VN		
24 4	40 mL	VOA	Α				PLASTIC	В	VY N		
N2 1	100 ml	PLASTIC	F	OY Ø					OY ON		
\ 	50 mL	CLASS	Α						DY DN		
	25 mL	PLASTIC	С					· · · · · · · · · · · · · · · · · · ·	OY ON		
SHIPPING ME	THOD:		5 K D	ATE SHIPPED:	2-1	6-11	AIRBILL	NUMBER: 85	58 1 50 15 02814		
·					0 9	6-11 Muld	DATE SIC	NED:	7-11-11		
1	COC NUMBER: 1/A SIGNATURE: SetMulel DATE SIGNED: 3-16-11 REVISED 03/2008										

					謎	V34743-71	(注解)、(A)(数	建程本4、12 产的双键数	AND SERVICE OF THE SE	CANADA LA CANADA	经过期间的证据
PROJECT NA		LE Carp									
PROJECT NU	MBER:	01545.4	6.001		В	Y 5	SM/SP	DATE: 3-/6	-11 BY: P	<u>የ</u>	DATE: 4/19/11
				W	ELL DI	AMETE	R: 🗸 2"	4"	6" OTHE	R	
WELL MATERIA	\ L: [PVC [_ss [RON	G	ALVAN	NIZED ST	EEL	OTHE	R	
SAMPLE TYPE	. [☑ GW [] ww [] sw		I		ACHATE		R	
The Manager of the Control of the Co	10.1	TIME: / 2	56	PATE: 5	-16-1	1			TIME: 123	D/	ATE: 3-16-4
PURGE	Ø₽ F	PUMP	arp	Blac	dder		PH:	6.92 SI			44 umhos/cm
METHOD:		BAILER					ORP: 💆	33.4 m	, -	3.4/ mg	ı/L
DEPTH TO WA	TER:	5.24	T/ PVC				TURBIDI		NTU		
DEPTH TO BO	TTOM:_	. ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ	T/ PVC				NONE			MODERATE	☐ VERY
WELL VOLUME			LITERS	_=_	ALLON		TEMPER		37 °c (OTHER:	
VOLUME REM			LITERS		ALLON		COLOR:			DDOR:	NO
COLOR:	B	10W1		DOR:	no		7	E (0.45 um) d		⊌ NO	
			IDITY 35	6 _	. "; ")		FILTRATE			FILTRATE ODG	OR: 10
DISPOSAL ME	SLIG		MODERATE D DRUI	م اتکا م	VER		QC SAM			DUP(<u>ر ر</u>
DISPOSAL ME	INODE	_ GROUN	טאט 🗀 טאט	AI EC C	/ITIEK		COMME	NTS: Fe-	7.2 C	20-15	A1K-190
	(* () - ()		· 西斯斯 (1)								
			dat.			K. L.				Old Sandah	工機 127 第
1231. 4	00	6.93	798	11	9.0	6.	60	356	8.55	5.24	INITIAL
1234		6.83	890	2	7.2	3	.48	118	7.65	5.24	2.6
1241		6.87	911	3	2.7	3	47	39.1	7.30	5.24	4.0
1246		6.87	940		3.4		.42	8.66	7.51	5.24	6.0
1251		6.91	946		3.0		.51	11.8	7.46	5.24	
1256		6.92	944		33.4	,		8.03	7.37		
					<u> </u>						,
			• .				·				
				\top	,	_					· .
		<u>′</u>			····	\dashv					
NOTE	CTAD!!	IZATION TI	TOT IS COM	DI ETE		2 6110	OF CON	DEADINGS	NOT MATERIAL T		INO LIBRITO
pH: +/- 0.1		•				:			10 % or	THE FOLLOWI	TEMP.: +/- 0.5°C
\$11. 17- 0.1					·	•			· · · · · · · · · · · · · · · · · · ·		
- 3447-74 <u>1</u> 4	·		ATIVE CODE				HNO3	C - H2SO4			CL F
	SIZE	TYPE	PRESERVA	VIIVE	FILTE		NUMBE		TYPE	PRESERVAT	160 Y
	10 mL	VOA	E	- [☑N	24		AMBER		O Y O N
	10 mL	VOA	A		$\equiv \vdash \vdash$	✓ N	4.2	125 mL	PLASTIC	В	✓ Y
	00 ml	PLASTIC	F		$\equiv \vdash \vdash$	✓ N	<u> </u>	1			
	50 mL.	9 1/3 5	A			☑N	<u> </u>	_			☐Y ☐N
1 1 1	25 mL	PLASTIC	С		□ Y	V N					□ Y □ N
SHIPPING ME	THOD:	Fed	2K	DATE S	SHIPPE		3-16	- ((AIRBILL I	NUMBER: 85	8188812314
COC NUMBER	₹:		LA	SIGNA	TURE:		Sat	Mule	DATE SIG		3-16-11
REVISED 03/	2008				······		-				

			-		
Catronia		- 1		_	
	i.	A.	5	ŀ	

COC NUMBER:

REVISED 03/2008

WATER SAMPLE LOG

(1 AL (1))				1542	and the second	Grand aggregation and aggregation	1. 25.000	yosi ee terrice ee		
PROJECT N	NAME:	LE Carp	enter			小腿 掌形				(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
PROJECT I	NUMBER:	01545.4	6.001	В	Y S	MB [DATE: 3/6/	II BY: N	P	DATE: 4/19/11
	W. Department			WELL DI	AMETE	R: 🖊 2"	4" [6	" OTHE	R	
WELL MATE	RIAL:	PVC J	Zss □	IRON 🔲 G	ALVAN	IIZED STE		OTHE	R	· .
SAMPLE TY	PE: [Z GW []ww [sw 🗆 c)I	LEA	CHATE	OTHE	R	
		TIME: ///		TE: 3/16/1	(1			TIME: 130		
PURGE	Į Z F	PUMP !	3/Anaep			<u>'''' — — </u>	.31 su	CONDUCT		Y umhos/cm
METHOD:		BAILER .					45 ml	<u> </u>	1.44 mg/l	
DEPTH TO			T/ PVC	·		TURBIDITY		NTU		<u></u>
DEPTH TO BOTTOM: 15.11 T/ PVC NONE SLIGHT MODERATE VERY WELL VOLUME: 9.18 LITERS GALLONS TEMPERATURE: 9.21 °C OTHER:										
WELL VOLU		6./8	LITERS	GALLON		TEMPERAT			OTHER:	
VOLUME R		42 5	LITERS	GALLON	- +	COLOR:	clear			non-
COLOR:	<u> </u>			OR: <u>~6</u>			(0.45 um) [☑ NO	
NONE	> ₹ø	TURBI	IDITY MODERATE	VER	_	QC SAMPI			FILTRATE ODOI	R:
DISPOSAL		GROUN		OTHER		COMMEN		40 C		E 5 16
THE PARTY OF THE P	AT A COLUMN TO SERVE			a significant promote page	Mai Resort	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ALL MARKETER	2	
									W. S. S.	NA.
1118	400	6.60	627	2	6.0	65 1	348	8.87	5.10	INITIAL
1123	1	5.98	618	35	1.4	53 1	115	8.34	5.70	Z
1128	1	5.94	598	49	1.5		264	787	5.20	4
1133		5.93	597	57	1.3		3.3	7 81	5.20	6
1138	·	5.92	597	62	1.3		7.2	187	5.70	8
(198		5.92	596	67			1.8	7.93	5.20	10
1148		5.92	595	71			3,6	8.04	5.70	12
1153		5.91	595	73			6.1	8.13	5.90	14
(158		5.94	599	2/			8.2	8,32	6.15	16
1263	· · · · · · · · · · · · · · · · · · ·	₹96	604	77			77	4.53		18
	E- STADII			ETE WHEN		<u> </u>			THE FOLLOWIN	'
pH: +/-	0.1		5 (<100 ORF				•	10 % or		TEMP.: +/- 0.5°C
Property and	Visite in the second	PRESERV	ATIVE CODES	A - NONE	В-	HNO3	C - H2SO4	D - NaOl	H E-HC	L F
NUMBER	SIZE	TYPE	PRESERVAT	TIVE FILTE	RED	NUMBER	SIZE	TYPE	PRESERVATI	VE FILTERED
2	40 mL	VOA	. Е	Y	N	2	1 L	AMBER	Α	□ Y ☑ N
. 2	40 mL	VOA	Α	□ Y	☑ N	1	125 mL	PLASTIC	В	IJY □N
. 1	100 ml	PLASTIC	F		N E		}	. :		YN
1.	250 mL	GLASS	Α	□ Y	V					N UY U
1	125 mL	PLASTIC	С	□ Y	IJN					□ Y □ N
SHIPPING	METHOD:	BA	Fedex 1	DATE SHIPPE	ED: 3	bledu		AIRBILL	NUMBER:858	152512314

SIGNATURE:

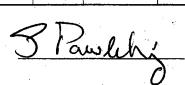
DATE SIGNED:

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter								
PROJECT NUMBER:	01545.46.001	BY:	SM/SP	DATE: 3	//6	n	BY:	N	DATE: WARM

学(*) 練客度)。	ing the second						•		for or P
	*								
(201	400	6.00	625	77	1.43	523	8,79	9.2	20:
213	1.	6.03	646	76	200	47.0	8.79 8.86	9.70	52
218	8	6,12	665	72	1.86	60.2	8,98	920	24
223		6.17	692	69	1.25	312	223	9.28	26
835		6.19	693 696 108	65	1.3(329	9.12	9.20	28
233		6.21	696	61	1.38	292	816	9.20	30
238		621		60 57 53	1,38	234	9,17	9.20	32
743		6.24	714	57	1.33	140	9.17	9,00	34
1748		6.29	721	53	1,75	67.3	923	920	36
753		6.31	739	51	1.59	210	240	9.20	38
258		630	739	49	1.45	215	9,19	920	40
303		6.31	734	45	644	190	221	9.70	42
	-	•							
								-	
				,					
									
.		-			<u> </u>			1.	†
			<u> </u>					1	



DATE SIGNED: 3/16/U

REVISED 03/2008

*****	Service Comments	aro, arabi, mang								
PRC	JEÇT I	NAME:	LE Carp	enter						
PRC	JECT	NUMBER:	01545.4	6.001	BY	SM/SP	DATE: 3//	6/11 BY: KL	? <u> </u>	DATE: Walu
34 pt 51	and a late				WELL DIAM	ETER: 🕡	2"	6"	R	
THE SECOND	L MATE	Can Ober A.A.	PVC 6	Ziss □	RON GAL	VANIZED S	TEEL	OTHE	R	
SAM	IPLE TY	PE:	√ GW [ww	SW 🔲 DI		EACHATE	OTHE	R	
	gerjagen (Spen) (Signal)		TIME: 1%	29 DA	TE: 3 - 16 - 41	關於種類		TIME: 1410	DA DA	TE: 3-16-11
P	URGE				rt. Bladde	4 PH:	6.66 sı		TIVITY: 1012	
1	ETHOD:		BAILER			ORP:			0.16 mg/	
DE	PTH TO	WATER:	5.97	T/ PVC		TURBIC	DITY: 4.59	NTU		
DE	от нто	воттом:_	16.07	T/ PVC		MON 🔀		_	MODERATE	☐ VERY
	LL VOLU			LITERS	GALLONS	TEMPE	RATURE: 8	83 °C	OTHER:	
VO	LUME R		12.0		GALLONS	COLOR			DDOR:	no
co	LOR:		g <u>n</u>		OR: 10	_ FILTRA	TE (0.45 um)		NO.	
		F71 av 16		IDITY 44.0		-			FILTRATE ODO	R: AO
	NONE	METHOD:		MODERATE D	VERY	QC SAI		MSD	DUP-	
סוט	PUSAL	METHOD:			Land to the least to the control of	COMINI	ENTS: F		-180 COp	-30
			4							
		· · · · · · · · · · · · · · · · · · ·		AND Local Maries (Late of the Control of the Contro					機構をよった対	
	 -+	400	6.44	852	130.2		44.0	8.84		INITIAL
	344		6.47	851	109.7	0.37	10.55			2.0
—	349		6.54	942	95.3	0.25	16.5	8.64		4.0
1	354	-	6.59	97/	87.0	0.21	12.1	8.67		6.0
1:	359		6.63	lood	73.8	0.19	11.2	8.73	601	8.0
10	404		6.65	1007	·64.6	0.18	608	8.72	6.01	10.0
1	YID	4	6.66	1018	55.1	0.16	4.59	%. 83	6.01	12.0
						1,				
				•.						
										·
	NO.	TE: STABIL	IZATION TI	EST IS COMPL	ETE WHEN 3 S	UCCESSIV	E READINGS	ARE WITHIN T	HE FOLLOWI	NG LIMITS:
	pH: +/-	0.1	COND.: +/-	5 (<100 ORP:	+/- D	.O.: +/- 10 '	% TURB: +/-	10 % or	= 10</td <td>TEMP.: +/- 0.5°C</td>	TEMP.: +/- 0.5°C
150	10g(c) (a)	in pr	PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - NaOl-	E - HC	L F
NU	JMBER	SIZE	TYPE	PRESERVAT	VE FILTERE	D NUMB	ER SIZE	TYPE	PRESERVAT	VE FILTERED
-	2	40 mL	VOA	E	DY D	N 2	1 L	AMBER	. A	NCY
	2	40 mL	VOA	A		<u> </u>	125 mL	PLASTIC	В	
	1	100 mi	PLASTIC	F	v ⊡					UY UN
	1	250 mL	05/05	Α,		N				OY ON
	1	125 mL	PLASTIC	С		 				□ Y □ N,
SH	IIPPING	METHOD:	Fed	£ X n	ATE SHIPPED:	3.16.	-(/	AIRBILI	NUMBER: \$\sigma	81525/2314
-	C NUM				IGNATURE:		Male	DATE SIG		3-16-11
1-4				~ i ~		V	TO ALL THE PARTY OF THE PARTY O			- '- '1

3-16-11

DATE SIGNED:

RMT

COC NUMBER:

REVISED 03/2008

WATER SAMPLE LOG

					- F	NEW YEAR			PERSONAL PROPERTY OF THE PERSONAL PROPERTY OF	XIII.2 - 21242	HA MINER SHAR	igano de
ROJECT		LE Car						自己问题 图解 288				
ROJECT	NUMBER:	01545.4	46.001			BY	SM/SP	DATE: 3-16	-11 BY: R	<u> </u>	DATE: 4	19111
opport est				W v	VELL D	IAMET	ER: 🕜 2"	4 " 	6" [2] OTH	R	N4	
ELL MATE	RIAL: [PVC	_ss [IRO			NIZED STE	EL	М ОТНЕ	ER	NA	
AMPLE TY	PE: [■ GW	ww_[∃ sw	X	DI	LEA	CHATE	□ отні	ER .		
		TIME:		DATE:	3-16.	w		7.16.78	TIME: /4	28	DATE: 3-/6	-11
PURGE		PUMP			$ \angle $		РН:	sı	CONDUC	TIVITY:	ur	nhos/cm
METHOD:		BAILER	1	_		_	ORP:	m\	/ DO:		mg/L	
EPTH TO	<u></u>	- 1 /	T PVC		-		TURBIDIT		NTU			- D.V
EPTH TO			∱VPVC ☐ LITERS		GALLO	NS	NONE	SLIC	//	MODE AT	EVI	ERY
CLUME R	EMOVED:		LITERS	_=	GALLO		TEMPERAT	UKE.	7/	ODOR:		• • • • • • • • • • • • • • • • • • • •
OLOR:		<u> </u>	_	ODOR:			FILTRATE	(0.45 um)	YES	✓ NO		
	/	TURB					FILTRATE C			FILTRATE	ODOR:	
NOME	SLIC		MODERATE		VEF	RY	QC SAMPI		MSD	DUP-		
ISPOSAL	METHOD:	GROUN	ID 🗌 DRU	М	OTHER	1	COMMEN					
			e, kenggapan Latau				n die	Total Control				機
				3.7								P. Sa
											INIT	1AL
			······································			_ ·						
					•		1					
			·		11		L					
							·					
								:				
			· 				. 1					
						· ·						
								···				
NOT	E: STABIL	IZATION T	EST IS CON	IPLETE	WHEN				* · · · ·	THE FOLL	OWING LIMITS	3 :
pH: +/-	0.1	COND.: +/-	5 (<100 O	RP: +/-		D.O.:	+/- 10 %	TURB: +/-	10 % or	= 10</td <td>TEMP.: +</td> <td>/- 0.5°C</td>	TEMP.: +	/- 0.5°C
era er	97% 80 (1988)	PRESERV	ATIVE COD			В-	HNO3	C - H2SO4	D - NaOl	1 E	- HCL F	
NUMBER	SIZE	TYPE	PRESERV	ATIVE	FILT	ERED	NUMBER	SIZE	TYPE	PRESER	VATIVE FIL	TERED
2	40 mL	VOA	E		□ Y	☑ N	2	1 L	AMBER	Α.	<u> </u>	' ☑ N
2	40 mL	VOA	Α			 - 	1	125 mL	PLASTIC	В	☑ Y	N
1	100 ml	PLASTIC	F		□ Y	V	<u> </u>			·		N
1	250 mL	GLASS	Α			N	ļ					
1	125 mL	PLASTIC	С		□ Y	☑ N	<u></u>					_
HIPPING	METHOD:	Fed	Lx	DATE	SHIPP	ED:	3-16-1	'/	AIRBILL	NUMBER:	8581505	2314

SIGNATURE:

PROJECT N	NAME:	LE Carp	enter		AT AND SHOOL						
PROJECT I	NUMBER:	01545.4	6.001	· BY	SM/SP	DATE: 3-1	6-11 BY:	P [DATE: 4/A/A		
nice of the second second				WELL DIAM	ETER: 🗸 2"	4"	6" OTHE	R			
WELL MATE	RIAL:	PVC [₹]ss □	IRON GAL	VANIZED ST	ANIZED STEEL OTHER					
SAMPLE TY	PE: [☑ GW []w 🗆	SW DI	LE	ACHATE	OTHE	R			
		TIME: 15	24 D	ATE: 3-16-11			TIME: /54	19 DAT	TE: 3-16-11		
PURGE	2 F	PUMP (RED B	ladder	PH: _7	.19 SI	CONDUC	TIVITY: 62	Umhos/cm		
METHOD:		BAILER_			ORP:	-12.0 m	/ DO:	0.10 mg/l	L		
DEPTH TO			T/ PVC		TURBIDI	-	-				
DEPTH TO			T/ PVC		NONE		10	MODERATE	☐ VERY		
WELL VOLU		10.70	LITERS	GALLONS	TEMPER			OTHER:	<u>_</u>		
VOLUME R			LITERS	GALLONS	COLOR:	<u>cir</u>		ODOR:	~0		
COLOR:		FAA		OOR: <u>10</u>		E (0.45 um)	1-	♣ NO			
	क्रिकेट : :	TURB		— ——	FILTRATE			FILTRATE ODOI	R: n 0		
NONE	K SLIC		MODERATE	VERY	QC SAM		MSD	DUP-			
DISPOSAL	ME I HOD:	GROUN	ט <u></u> DRUM	OTHER	COMME	NTS: Fe-	15 A	1K -140 C	09-25		
						Contained to					
	The state						Male he				
1524	400	7.00	633	40.6	0.90	58.9	10.08	0.82	INITIAL		
1529		7.06	630	32.4	0.19	47.9	9.35	0.86	2.0		
1534		7.08	626	22.8	0.15	24.6	9.27	0.86	4.0		
1539		7.14	624	11.2	6.13	15.5	9.27	0.86	6.0		
1544		7.11	622	-0.1	0.12	11.8	9.20	0.86	8.0		
1549		7.19	620	-12.0	0.10	7.88	9.18	0.86	10.0		
						7.00					
	· · · · · · · · ·					·					
						· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
L1					<u> </u>		L				
				LETE WHEN 3 S	Land Comment			·	The second second second		
pH: +/-	0.1 (5 (<100 ORF		· ·	TURB: +/-	10 % or	= 10</td <td>TEMP.: +/- 0.5°C</td>	TEMP.: +/- 0.5°C		
			ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - NaOl	E-HC	L F		
NUMBER	SIZE	TYPE	PRESERVA"			R SIZE	TYPE	PRESERVATI			
2	40 mL	VOA	E		 	1 L	AMBER	A	□ Y ☑ N		
2	40 mL	VOA	A		N 1	125 mL	PLASTIC	В	☑ Y □ N		
1	100 ml	PLASTIC	F		N				□ Y □ N		
, 1	250 mL	GLASS	A	□ Y	N				□ Y □ N		
1	125 mL	PLASTIC	С		N				□Y □N		
SHIPPING	METHOD:	Fra	1 EX 1	DATE SHIPPED:	3-16	-1/	AIRBILL	NUMBER: 858	81 \$ 5 02844		
COC NUMI	BER:	1 1		SIGNATURE:	List	-11 Nulell	L DATE SIG	 =	3-16-11		
DEVISED			<i>!!</i>		<u> </u>	·www			<u> </u>		

REVISED 03/2008

1700年1800年1800年1800年1800年1800年1800年1800年									
ATE: WIGHT									
3/16/u									
umhos/cm									
☐ VERY									
VOLUME REMOVED: GALLONS COLOR: CLAS ODOR: MANY ODOR: MA									
COLOR: CO									
Ee: 2									
Part Marian Street									
INITIAL									
Z									
4									
6									
8									
10									
12									
14									
16									
18									
S LIMITS:									
EMP.: +/- 0.5°C									
F									
E FILTERED									
□Y ☑N									
☑Y □N									
□ Y □ N									
□ Y □ N									
☐ Y ☐ N									
152812314									
7/16/11									

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter		in the second				
PROJECT NUMBER:	01545.46.001	BY:	SM/SP	DATE: 3	141	BY:	DATE: 4/1911

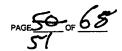
520	400	5.63	583	(66	6.36	18.2	168	0.75	Zo C
1525	<i>i</i>	5.67	597	105	0.39	16.2	11.86	0.76	22
1530	7	5.62	588	106	0.37	23.9	11.76	0.75	24
1535		5.60	589	105	0.34 6.36	18.8	11.68	0.75	26
(540		5.59	588	105	6.36	18.7	11,64	0.75	24
1545		5.56	994	106	0.34	36.2	11.58	0.75	
1550		5.52	588	106	0.27	28.5	11.69	0.75	32
555		5.30	585	107	85,0	126	4.80	0.75	74
1600	<u> </u>	5.4P	584	108	0.75	8.71	11,90	0.75	36
									
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SIGNATURE:

DATE SIGNED: 3/16/LU

REVISED 03/2008

erosal hoursesses :	THE SAME SAME			Leading to a	Sal Sado allo 122, e e e e e e	- Transaction Section 6.00	MINISTER OF THE PROPERTY OF	A - 1-75-Bertalis & Bus to John	Children manufacture was not severe - 2016/2014			
PROJECT	NAME:	LE Car	penter									
PROJECT	NUMBER:	01545.4	16.001	BY	SM/SP	DATE: 3 - 14	6-11 BY: 12	8	DATE: 4/19/11			
A PROPERTY OF THE PARTY OF THE				WELL DIAM	ETER: 🗸	2"	6" OTHE					
WELL MATE	RIAL:	PVC	有意义的	1602	VANIZED S		OTHE					
SAMPLE TY	-	 থ GW		sw DI		LEACHATE	OTHE					
	HYT HISSE	TIME: 10		TE: 3-16-1/			TIME: 170	a Ina	TE: 3-16-M			
	9 4 2 2 17 L			dder	PH:	7.17 s						
PURGE METHOD:		BAILER	450 1314			- 81.3 m		0.08 mg/				
DEPTH TO			T/ PVC		TURBI		NTU	1119/	<u> </u>			
DEPTH TO		14.4	T/ PVC		NOI			MODERATE "	VERY			
WELL VOLU		6,8	LITERS	GALLONS	TEMPE	RATURE: 7	80 °C	OTHER:				
VOLUME R	EMOVED:	24.D	LITERS	GALLONS	COLO	e cle		ODOR:	no			
COLOR:		Black	OD	OR: 10	FILTRA	TE (0.45 um)	⊘ YES	Ø NO				
			IDITY 26.9			12 002011	cir	FILTRATE ODO	R: n 0			
NONE SLIGHT MODERATE VERY QC SAMPLE: MS/MSD DUP-												
DISPOSAL METHOD: GROUND DRUM OTHER COMMENTS: F1-13 AIK-180 CO3-30												
			的		A CONTRACTOR	Establish associated						
	grade English											
1609	400	7.12	606	2.5	2.84	26.9	9.94	1.12	INITIAL			
1614		7.17	602	-29./	0.14	45.4	7.91	1.25	2.0			
1619		7.15	600	-49.9	0.11	63.7	7.80	1.26	4.0			
1624	+ 1	7.16	601	-55.7	0.12	58.5	7.83	1.26	6.0			
1629		7.18	601	-65.3	0.09	55.7	7.89	1.26	8.0			
1634		7.19	601	-69.6	0.09	40.7	7.89		10.0			
1639		7.18	600	-73.0	0.09	31.1	7.84		12.0			
1644	٠,	7.18	548	-75.7	0.08	21.7	7.72		14.0			
1649		7.17	597			17.5	7.61		16.0			
1654		7.17	600	-78.2	0.09	16.7	7.80		18.0			
NOT	E: STABIL	IZATION T	EST IS COMPL	ETE WHEN 3 S	SUCCESSIN		ARE WITHIN T	HE FOLLOWIN				
pH: +/-			5 (<100 ORP:			% TURB: +/-	•		TEMP.: +/- 0.5°C			
		PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - NaOH	I E-HO	L F			
NUMBER	SIZE	TYPE	PRESERVATI			 _	TYPE	PRESERVATI				
2	40 mL	VOA	E			1 L	AMBER	A	DY VN			
2	40 mL	VOA	Α		N 1	125 mL	PLASTIC	В	V V			
1	100 ml	PLASTIC	F		 				N N			
1	250 mL	erss Figs	A		 							
1												
					<u> </u>	1-11						
SHIPPING		Fed		ATE SHIPPED:		6-11	· · · · · · · · · · · · · · · · · · ·	:	8(52512314			
COC NUMI	BER:	N	A SI	GNATURE:	South	Meleth	DATE SIG	SNED:	3-16-11			



WATER SAMPLE LOG (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter					
PROJECT NUMBER:	01545.46.001	BY:	SM/SP	DATE: 3 - 16 - 11	вү: ү С	DATE: 4/19/11

在新疆的			Las Marazanski II.	okalwas.					
1659	400	7.17	598	-79.5	0.08	14.2	7.67	1.26	20.0
Hou		7.17	599	-80.4	0.08	13.1	7.78	1.26	22.0
1709		7.17	578	-84.3	0.08	9.71	7.80	626	24.0
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SIGNATURE:

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DATE SIGNED:

PROJECT NAME: LE Ca	rpenter		S. Marini					
	•			in colored			A A Solat Pallinda d	
PROJECT NUMBER: 01545	5.46.001		BY S	SM/SP [DATE: 3-14.	W BY: K	(DATEU/19/11
		WELL	DIAMETE	ER: 🗸 2"	☐ 4" ☐ 6	" OTHE	R	
WELL MATERIAL: PVC	⊠ ss □	IRON [] GALVAI	NIZED STE	EL	OTHE	R	
SAMPLE TYPE: GW	w	sw [וס [LEA	CHATE	OTHE	R	
TIME: /	401 DA	TE: 3./4	1-11	Market Common	· · · · · · · · · · · · · · · · · · ·	IME: 07	45 DA	TE: 3-/7-//
PURGE PUMP	Plrista	1410	-	PH: <u>6,</u>		CONDUC	TIVITY: <u>54</u> 3	umhos/cm
METHOD: BAILER				ORP: _/5		DO:	0.73 mg/	/L
DEPTH TO WATER: 3.45	_ T/ PVC			TURBIDITY	· · · · · · · · · · · · · · · · · · ·	ַ טדע		
DEPTH TO BOTTOM: NM	_ T/ PVC			NONE	X SLIG		MODERATE	U VERY
WELL VOLUME: WAT	LITERS K LITERS	GALL			URE: _5.		OTHER:	
		GALL	4 -		(0.45 um)		ODOR:	ges
	RBIDITY 4.2			FILTRATE C		•	FILTRATE ODC	R: ueo
NONE SLIGHT	MODERATE		ERY	QC SAMPL		* 	DUP-	//N.
DISPOSAL METHOD: GROU	JND DRUM	X OTHE	R	COMMENT	S: F2 ->20	41K-16	0 CO2	- 25
	And the second		A8""	, dr. 1.79	N. W.	Mat. Makini	WHI COLD	THE PARTY FOR
	() · ·	di di mali		美 种 篇数。				· · · · · · · · · · · · · · · · · · ·
1401 400 6.38	626	107.	1 1.	99 4	1.28	5.80	3.95	INITIAL
1406 6.50		70.			.56	5.74		2.00
1411 6.62		52.			.01	5.65		4.0
1416 6.66		40.			.54	5.61		6.0
1421 1 6.71	542	15.			1.4	5.71	Dry	8.0
(3.7)								
0	lry at 14	01 4	ſ	í	uch in	pucae	bucket	
Samoled	. '	15 0	·	1				
Samples	AF U/	7 7 6		, , - , ,				
						* 1		
NOTE: STABILIZATION	TEST IS COMDI	ETE WALE		CERRIVE D	EADINGS A	DE MITMA T	FUE EQUI OWN	AZ LIMITO.
the second secon	/- 5 (<100 ORP						= 10</td <td>TEMP.: +/0.5°C</td>	TEMP.: +/0.5°C
	VATIVE CODES			HNO3	C - H2SO4			CL F
NUMBER SIZE TYPE	PRESERVAT		TERED	NUMBER	SIZE	D - NaOH	PRESERVAT	
2 40 mL VOA	E		VVN	2	1 L	AMBER	A	Y VN
2 40 mL VOA	A			1	125 mL	PLASTIC	В	□ Y □ N
1 100 ml PLASTI				-	120 1112	1 2-0110		OY DN
								
1 250 mL CLASTIC	1'		/ VN					
				<u> </u>				
	} 	ATE SHIF		3-17-11				इंश्डिट्डास्ट्र
REVISED 03/2008	S	IGNATUR	E: 🔏	CHIMAL	<u> </u>	DATE SIG	GNED:	3-14-11

PAGE \$2 OF 65

COC NUMBER!

REVISED 03/200

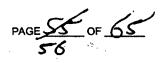
WATER SAMPLE LOG

				-	Color Horas Inc.		alt von er oder	The street of the state of the	NASANTERANG PARKAMANANAN	regressive to the state of the state of the	PORT OF A PART OF THE PART OF
PROJECT NAME:	LE Carpent	ter									
PROJECT NUMBER:	01545.46.0	001		В	Y	SM/SP	D/	ATE: 3.74	I N BY: R	Q	DATE: 4/19/1
			WEL	L DI	AMET	ER: 🗸	2" [4" (6" OTHE	ER .	
WELL MATERIAL:	PVC V	SS [] IF	ON	G	ALVA	NIZED S	STEE	L	ОТН	ER	
SAMPLE TYPE: [J GW □\	ww 🗆 s	W) i		EAC	HATE	□ отні	ER	
	TIME: 143	3 DAT	E: 3.	14-1	,		grysse Annad		TIME: Ø8:	50	DATE: 3-17-1/
PURGE	PUMP P	rigtalti				PH:	6.	64 SL			umhos/cm
METHÓD:	BAILER					ORP:	13.			9.96	mg/L
DEPTH TO WATER:	4.79 T/ 1	PVC				TURBI			- ····		_
DEPTH TO BOTTOM:		PVC				NON K		SLIC		MODERATE	VERY
WELL VOLUME:		LITERS [Ξ	LLON				JRE: <u>5.</u>		OTHER:	
VOLUME REMOVED:		LITERS [LLON		COLOF		elr		ODOR:	
COLOR: <u>Tan</u>	floaters		R:	معو).45 um) [N YES	■ NO	
NONE KSLK		TY 14.8	\Box	VER'	γ.	FILTRAT			MSD	FILTRATE (DDOR:
DISPOSAL METHOD					-	COMM				IK-160	CO ₂ - 16
				AND THE	SE CON	10000000000000000000000000000000000000	翻門的		斯斯斯爾姆斯	対策を ここ	The second second second second
The state of the s			e de la companya de		a. Si						
1433 400	6.53	554	-10	•7	0	.84	19	.8	5.45	4.7	5 INITIAL
1438	6.56	536	14	.2	. 0	.67		3.3	5.37	7 5.60	5 2.0
1443	6.91	3/	26	.3	2	.00	10	2.43	5.33	6.2	5 4.0
1448	6.77	388	29	./	1	09	<u> </u>	.16	5.28	7.20	6.0
1453	661	479	25	./	O	.92	11	1.1	5.29	8.0	5080
1458	6.62	532	17.	0	U	.79	6	.74	5.3	7 9.3	5 100
1500	064	522	13.	2	C	1.86	4	87	5.43	Org	10.8
	Pam	1 sd d	ry .	at	150	70	on	3-14	. 11		
		pled a			0	on	l	3-17-1			
			_					,			
	IZATION TEST	I IS COMPLE	TE W	HEN	3 SUC	CESSIV	Æ RE	EADINGS A	RE WITHIN	THE FOLLO	WING LIMITS:
*	COND.: +/- 5 (•						TURB: +/-		= 10</td <td>TEMP.: +/- 0.5°C</td>	TEMP.: +/- 0.5°C
新す。 Mana a sasa	PRESERVATI	VE CODES	A - NO	ONE	В	- HNO3	(C - H28O4	D - NaO	H E	- HCL F
NUMBER SIZE	TYPE PI	RESERVATI\	Æ F	ILTE	RED	NUMB	ER	SIZE	TYPE	PRESERV	VATIVE FILTERED
2 40 mL	VOA	E		Y	☑ N	2		1 L	AMBER	А	□Y ☑N
, 2 40 mL	VOA	Α] Y	✓N	1		125 mL	PLASTIC	В	IJY □N
1 100 mi	PLASTIC	F.] Y	IJN						□ Y □ N
1 200	CAPE	Α] Y	☑ N						-
1 125 mg	PLASTIC	С	حد] Y	IJN						□ Y □ N
SHIPPING METRY	Fed 1					3-17-			410001		858 \$525 17299

DATE SIGNED:

PROJECT	NAME:	LE Carp	enter									10 A									
PROJECT NUMBER: 01545.46.001 BY SM/SP DATE: 3-, 1/-1/ BY: [4] DATE: 4/9/11																					
				w	ELL DIAM	1ETE	R: 🗸 2"	4"	6" OTHE	R											
WELL MATE	RIAL: [PVC [¥]ss [IRON	GAL	1AV_	NIZED ST	EEL	OTHE	R											
SAMPLE TY	PE: [☑ GW [w [] sw	☐ Dì		LE	ACHATE		R											
		TIME: 15			-14-11	11/20/14			TIME: 08	20 0	ATE: 3-1)-11									
PURGE		PUMP	Perisi	ettic		-		92 sı				nhos/cm									
METHOD:	ا ليا	BAILER			 -	\rightarrow		8.6 m		<i>0.45</i> m	g/L										
DEPTH TO		4.86	T/ PVC	,			NONE	TY: \$.40 □ SLIC		MODERATE	\(\nabla \)	ERY									
WELL VOLU		NA I	LITERS	□G	ALLONS			ATURE: 5		OTHER:											
VOLUME R		6.0	LITERS	_=_	ALLONS	_	COLOR:	cle		ODOR:	مين										
COLOR:		floct 1	rs (DOR: _	yes			E (0.45 um)		Ø NO.	<i></i>										
		TURB	IDITY				FILTRATE	COLOR:	cir	FILTRATE OF	OR:										
NONE	X SLIC		MODERATE		VERY		QC SAM		MSD	DUP-											
DISPOSAL	METHOD:	GROUN	D DRU	м Х о	THER		COMME	NTS: Fe	20 AI	K-250	CO.	35									
	400	6.84	723	11	6.4			14.9		11 0	INIT	TAL									
1525		6.86	723		7.7		14		5.52 5.36			_									
1530			728		1-		.68		5.33	6.26											
1535		6.87	734		.6	1		8.40	_			_ 1									
13 70		6.10							5:30	014	6.0										
	·								3-14-	//											
· · · · · · · · · · · · · · · · · · ·				mple	d at	0	100	on 3.	17-11												
											-										
-				-		-															
		Small			caduc	4	an :	4000	probl.	ast ma	600.00	410									
NO3	TARU								ARE WITHIN 1			U.									
pH: +/-	1		5 (<100 OF					TURB: +/-		= 10</td <td>TEMP.: 4</td> <td></td>	TEMP.: 4										
	1. 5800 F. Fig. (1)	PRESERV	ATIVE CODE	S A-N	NONE	В-	HNO3	C - H2SO4	D - NaOl		ICL F-	€4,12,13°									
NUMBER	SIZE	TYPE	PRESERV		FILTER		NUMBE		TYPE	PRESERVA		TERED									
2	40 mL	VOA	E			N	2	1 L	AMBER	. А											
2	40 mL	VOA	Α] N	1	125 mL	PLASTIC	В											
1	100 ml	PLASTIC	F] N				·		/									
1	250 mL	ALASS.	Α]] Y 🗸] N															
1	125 mL	PLASTIC	С	[] Y [N			<u> </u>			/ 🗆 N									
SHIPPING	METHOD:	Fed	£x.	DATE S	SHIPPED:		3-1-	7-11	AIRBILL	NUMBER:	585US (2299									
COC NUM	BER:	· W	A	SIGNA	TURE:		S with	wh	DATE SI		3-14-	-									
L HELVINES	00/0000								<u> </u>		SEVICED 03/2009										

PROJECT I	NAME:	LE Carp	enter							
PROJECT	NUMBER:	01545.4	6.001		BY	SM/SP	DATE: 5-/4	1.11 BY: YC	P	DATE: W/A/N
	William Commence			WELL	DIAMET	ER: 🗸 2"	,	6" \ OTHE	R	
WELL MATE	RIAL:	☐ PVC [IRON [NIZED ST		OTHE	R	
SAMPLE TY				sw [_] DI		ACHATE		R	
		TIME: 15	51 DA	TE: 3-14	/- 11	為能力		TIME: 393	5	ATE: 5 -/7 -//
PURGE	י ד	PUMP 1	Peristals			PH:	.48 SI			97 umhos/cm
METHOD:	E	BAILER		·	_ _	ORP:	2.0 m\			g/L
DEPTH TO	WATER: _	4.65	T/ PVC			TURBIDI	TY: 2.77	NTU		
DEPTH TO	BOTTOM:_	Nm.	T/ PVC			MONE	<u> </u>		ODERATE	☐ VERY
WELL VOLU		NA	LITERS	GALL	ONS	TEMPER	ATURE: 5.	<u>37</u> ℃ ⟨	OTHER:	
VOLUME R			LITERS	GALL	ONS .	COLOR:			DDOR:	مير
COLOR:		clear		OR:	<u> </u>	FILTRATI	E (0.45 um)	YES	J NO	
	<u> </u>		DITY 8.45							OOR: yes
NONE	SLIC		MODERATE		ERY	QC SAM		MSD	DUP-	
DISPOSAL	METHOD:[GROUN	D DRUM	OTHE	:R	COMME	NTS: Fa-	7 AIK	-90 C	02-0
1551	400	10.17	522	-2.	3 0	.52	8.95	5.53	4.6	5 INITIAL
1556		10.27	485	5.0) 0	.36	7.25	5.48	5.91	2.0
1601		9.52	481	28.	2 0	7.76	4.58	5.45	6.51	4.0
1606		947	500	37.5			3.36	5.40		
164		9.48	497	32.	0 0	.37	2.77	5.37		
	P	Com et e	12 Stale	119.00	1 4	- 1611	on 3.1	4.11.12	well so	har of byford
		ample	at 09:	25	91	3-17	-1/	1 1 1 1 2 1		Samples
		-	41 - 11						·	
) j						
NOT	E. STARS	IZATION T	EST IS COMPL	Ale Jan	-N 2 611	OCEOON/E	DEADINGS	DE MOTURN 3		MANG LIMITO
pH: +/-			5 (<100 ORP	1771			TURB: +/-		<= 10	TEMP.: +/- 0.5°C
Service of the servic	by Mandall All br>All Mandall All Mandall Al	PRESERV	ATIVE CODES	A - NON	E B	- HNO3	C - H2SO4	D - NaOH	E-!	HCL F
NUMBER	SIZE	TYPE	PRESERVAT	IVE FIL	TERED	NUMBE	R SIZE	TYPE	PRESERVA	TIVE FILTERED
2	40 mL	VOA	E		/ IV	2	1 L	AMBER	Α	UY VN
2	40 mL	VOA	· A		/ [] N	1	125 mL	PLASTIC	В	IJY □ N
1	100 ml	PLASTIC	F		Y V				4	□Y □N
1.	250 mL	GIASS	A		r 🖸 N					UY UN
1	125 mL	PLASTIC	С		YVN					DY DN
SHIPPING	METHOD:	Fedqy	L D	ATE SHIF	PPED:	3-17-	L	AIRBILL I	NUMBER: §	58 1 878 17889
COC NUM	BER:	NA	s	IGNATUR	E:	COTTA		DATE SIG		3-14-0
REVISED	03/2008			· · · , ·				<u> </u>	- · · · · · · · · · · · · · · · · · · ·	



DO ISOT	MAME:				机多为物	es process	呼びが開発			
ROJECT		LE Carp	<u> </u>				and the same			
ROJECT	NUMBER:	01545.4	6.001		BY	SM/SP	DATE: 3-14	-4/ BY: N	R .	DATE: W/B/H
e salidare				WELL	DIAMET	ER: 🗸 2".	4"(6" OTHE	R	
ELL MATE			v ss [] IRON [GALVA	NIZED STE	EL	OTHE	R	
MPLE TY	PE: [<u> </u>	_ww [] sw 🔲	DI	LEA	CHATE	OTHE	R	
		TIME: 16	24 0	ATE: 3-/6	(-1/	用数 等于1933		TIME: 095	5 D/	ATE: 3-17-11
PURGE	Santage of the House Service		Perist			PH: _7	.01/ St			
METHOD:		BAILER		· · · · · · · · · · · · · · · · · · ·		ORP: 1	1.8 m	/ DO: _	1.01 mg	/L -
EPTH TO	WATER:	5.11	T/ PVC			TURBIDIT	Y: 28.1	NTU		
EPTH TO	BOTTOM	NM				☐ NONE	X SLIC		MODERATE	VERY
ELL VOLU		NA	LITERS	GALLO			TURE: 5.		OTHER:	
	EMOVED:		LITERS	☐ GALLO			L+ osas		ODOR:	•
OLOR:	014			DOR:ye			(0.45 um)		■ NO	
NONE	Ø SLIC		IDITY 68.		RY	FILTRATE (MSD	FILTRATE ODG	DR: _ 53 9
	METHOD:		D DRUM			COMMEN			-225 C	0-25
561248A, 1		解理的规则		4277133		्द्रहास्य । एष	V State of the	T AIK		D1 - 33
								· · · · · · · · · · · · · · · · · · ·		
	//00	202				2/ /	C /		5.44	INITIAL
	400	7.27	6/2	17.4			8.1	5.21	5.1/	
629	-1,-	7.09	614	17.2		2.55 3		5.28	8.10	2.0
34	<u> </u>	704	609	13.8	- 1.	.01 2	28.1	3.78	ory	4.0
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2	40 mL	VOA	E	□Y	√ N	. 2	1L	AMBER	Α	□Y ☑
2	40 mL	VOA	Α.	Y	☑ N	1	125 mL	PLASTIC	В	✓ Y 🔲
1.	100 ml	PLASTIC	F	□ Y	IJ N	1				
1	250 mL	CLASS 4	Α	□ Ý	☑ N					
1	125 mL	PLASTIC	С	□ Y	☑ N					
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HIPPING	METHOLE				:					cupur lul
COC NUM			1/4	SIGNATURE		B 00×1	. 1	DATE SIG		3-14-11

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SAMPLE TYP	E: _[_	Jew [] ww [SW	_X	DI	LEA	CHATE	OTHE	R	
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PURGE	☐ P	UMP			\angle		PH:	Si	J CONDUC	TIVITY:	umhos/cm
METHOD:	· 🗆 🖪	AILER		\angle			ORP:	m/	V DO:		mg/L
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DEPTH TO B	OTTOM:_		T/ PVQ				NONE	SLIC	SHT 🔲 !	MODERATE	☐ VERY
WELL VOLUM	ИE:	[LITERS		GALLO		TEMPERA	TURE:	°C (OTHER:	
VOLUME RE	MOVED:		LITERS		GALLO	NS	COLOR:			ODOR:	
COLOR:				ODOR:			FILTRATE	(0.45 um)	YES	✓ NO	
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	-125 mL	PLASTIC	<u> </u>		ЦΥ	Y	1	<u> </u>	<u> </u>	<u> </u>	UY UN
SHIPPING N	METHOD:	<u>ka</u>	<u> </u>	DATE	SHIPP	PED:	3/12/	<u> </u>	AIRBILL	NUMBER: 8	158 152512299
COC NUMB	ER:	NA		SIGN	ATURE	: 2	3 Hu	lin	DATE SI	GNED:	3/19/11
REVISED 0	3/2008				•			- (1	 		t Comment

PAGE A OF 6

REVISED 03/2008

WATER SAMPLE LOG

ROJECT NUMBER: 01645.46.001 BY SM/SP DATE: 3/7/ BY: V. DATE: 1/3/1/ BY: V. DATE: 1/3/	···	OJECT NAME: LE Carpenter									
WELL MAYERIAL:		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·								
RELL MATERIAL:	ROJECT N	IUMBER:	01545.4	6.001		BY 3	SM/SP I	DATE: 3//	7/// BY: 10	<i>X</i>	DATE: U/19/ N
AMPLE TYPE:					WELL D	DIAMETE	ER: 📝 2"	4 " 	6" OTHE	R	
TIME: DATE: DATE: TIME: OYO DATE: \$ TIME: OYO DATE: O	VELL MATE	RIAL: [PVC []ss [IRON 🗌	GALVAI	NIZĖD STE	EL	OTHE	R 1	
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METHOD:			TIME:	D,	ATE:				TIME: 09	YO DA	TE: 3/17/11
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NONE SLIGHT MODERATE VERY VICLUME: DITERS GALLONS TEMPERATURE: C OTHER: ODOR: OD	METHOD:		BAILER				ORP:	m'	v DO: _		Residence of the second
VOLUME	DEPTH TO V	NATER: _									
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: PH: +/- 0.1 COND.: +/- 5 (<100 ORP.: +/- D.O.: +/- 10 % TURB: +/- 10 % or = PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL. F - NUMBER SIZE TYPE PRESERVATIVE FILTERED 1 1 100 ml PLASTIC F Y							_				VERY
TURBIDITY			<u> </u>	Z				TURE:	,		425
TURBIDITY FILTRATE COLOR: FILTRATE ODOR: TURBIDITY NONE SLIGHT MODERATE VERY QC SAMPLE: MS/MSD DUP. DISPOSAL METHOD GROUND DRUM OTHER COMMENTS: INITIAL		MOVED:						(0.45)			<u>790</u>
NONE	COLOR:		/		DOK:					<u></u>	
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2 40 mL VOA A	NUMBER	SIZE	TYPE	PRESERVA	TIVE FILT	ERED	NUMBER	SIZE	TYPE	PRESERVAT	IVE FILTERED
1 100 m! PLASTIC F	2	40 mL	VOA	E	Y	VN	2	. 1L	AMBER	Α.	
1 250 mL GLASS A ☐ Y ☑ N ☐ ☐ Y ☐ N ☐ ☐ Y ☐ ☐ Y ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	2	40 mL	VOA	Α	□ Y	☑ N	1	125 mL	PLASTIC	В	☑Y □
1 125 mL PLASTIC C Y N D P	1	100 ml	PLASTIC	F	□ Y	VN					
	1	250 mL	GLASS	Α	□ Y	VN					
SHIPPING METHOD: CAN DATE SHIPPED: 3H1/41 AIRBILL NUMBER: 85% 147.81.2289	1	125 mL	PLASTIC	С	□ ∨	VN					
	SHIPPING	METHOD:	C-Ans	/	DATE SHIPP	ED:	3 Ha	lai	AIRBILL	NUMBER 8	8 1478 17289
COC NUMBER: NA SIGNATURE: 3 and DATE SIGNED: 3 17 11	L						Q P	J. X	<u> </u>		रीनित

PAGE 59 OF 65

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REVISED 03/2008

PROJECT I		LE Carp	enter		G.										
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enemination of the co				ASCENSE.				3/14/		<u>` </u>					
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WELL MATE		_ PVC [ss	IRON			NIZED STEE			R AL					
SAMPLE TY	PE:	<u>→ ₩•</u> []ww [SW	X	וכ	LEA	CHATE	OTHE	R			لبر		
		TIME:		ATE:					TIME: 09	750	DATE:	3/14/	//		
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DEPTH TO			T/ PVC		GALLOI	Ne .	NONE	SLIG		MODERATI	= L	VERY	:		
WELL VOLU		<u>_</u>	LITERS		GALLO		TEMPERAT	ORE:		OTHER: ODOR:					
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NUMBER	SIZE	TYPE	PRESERV	ATIVE		ERED	NUMBER	SIZE	TYPE	PRESER		FILTE			
2	40 mL	VOA	E			☑ N	2	1 L	AMBER	A			∠ N		
2	40 mL	VOA	A			✓ N	1	125 mL	PLASTIC	В	·				
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COC NUM	COC NUMBER: NA SIGNATURE:						LIMITE DATE SIGNED: 2/13/11								

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CHAIN-OF-CUSTODY RECORD

Trace Analytical L	ohorotories	Inc

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phone toll-free fax

231.773.5998 800.733.5998 231.773.6537

Trace Analytical Labore 2241 Black Creek Road

		the Acienc	e of complian	ce	fax 231.773.6537	Muskegon, l www.trace-l	MI 49444-2673 abs.com	· · · · · · · · · · · · · · · · · · ·	À C	Logged I	Ву:			(Checked	Ву:	e.		
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phone 231.773.5998 toll-free 800.733.5998

CHAIN-OF-CUSTODY RECORD

Trace Analytical Labo 2241 Black Creek Road

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CHAIN-UF-CUSTODY RECORD THACE ID NO. Page Z of Z phone 231.773.5998 Trace Analytical Laboratories, Inc. toll-free 800.733.5998 2241 Black Creek Road the science of compliance Muskegon, MI 49444-2673 231.773.6537 TRACE USE ONLY Logged By: Checked By: www.trace-labs.com Client Name: Received on ice: Yes No Preservative Checked: Yes No N/A Contact Person: Soil Volatiles Preserved: MeOH En Core Low Level Lab Report Results To: Mailing Address: City, State, Zip Code: Regulatory Requirements Turnaround Requirements Matrix Key S = Soil **MERA TMDL's** Standard (2 wk) WI = Wipes Phone: **Drinking Water** * 5 Dav W = Water LW = Liquid Waste **NPDES** * 2-4 Day (RUSH) Email Address: SE = Sediment A = Airō Of = Oil USACE * 24 Hour (RUSH) D = Drinking Water Project #: * Requires prior approval SL = Sludge Special SO = Solid Waste Quote #: Sampled by: 5P/5M **ANALYSIS REQUESTED** Profect Name: Billing Address (if different) Possible Health Hazard City, State, Zip Code Attn: TRACE NO. MATRIX CLIENT SAMPLE ID REMARKS Services Analytical ş Request D Sign Item Item **RELEASED BY RELEASED BY** RECEIVED BY DATE TIME RECEIVED BY DATE TIME Please

preement as listed on the reverse side.

agreement, the client acknowledges acceptance of the terms of t



phone

231.773.5998 toll-free 800.733.5998 fax 231.773.6537

CHAIN-OF-CUSTODY RECORD

Trace Analytical Labor 2241 Black Creek Road es, Inc. Muskegon, MI 49444-2673 40.05

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phone 231.773.5998 toll-free 800.733.5998

CHAIN-OF-CUSTODY RECORD Trace Analytical Laboratories, Inc. 2241 Black Creek Road

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Appendix B 1st Quarter 2011 Laboratory Analytical Reports



the science of compliance

phone 231.773.5998 toll-free 800.733.5998 fax231.773.6537

Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

March 25, 2011

Mr. Barry Culp RMT. Inc. 30 Patewood Dr. Greenville, SC 29680

Phone: (864) 234-9350 Fax: (864) 281-0288

RE: Trace Project T11C162

> Client Project LEC / 01545.46.001

Dear Mr. Culp:

Enclosed are your analytical results. The results of this report relate only to the samples listed in the body of this report.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work, however, some results may have raised reporting limits to correct for percent solids.

For clients that require NELAC Accreditation, Trace certifies that these test results meet all requirements of the NELAC Standard, except for those analytes with a "N" notation. These analytes have not been evaluated by NELAC at Trace's discretion and will not be reported unless requested by client.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink Project Manager

Enclosures





fax

phone 231.773.5998 toll-free 800.733.5998 231.773.6537

Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

SAMPLE SUMMARY

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T11C162-01	DRC-02	Surface Water	sm/sp	03/14/11 14:25	03/16/11 10:17
T11C162-02	SW-D-5	Surface Water	sm/sp	03/14/11 14:35	03/16/11 10:17
T11C162-03	SW-R-1	Surface Water	sm/sp	03/14/11 16:05	03/16/11 10:17
T11C162-04	SW-R-2	Surface Water	sm/sp	03/14/11 16:15	03/16/11 10:17
T11C162-05	SW-R-3	Surface Water	sm/sp	03/14/11 16:25	03/16/11 10:17
T11C162-06	SW-R-4	Surface Water	sm/sp	03/14/11 16:35	03/16/11 10:17
T11C162-07	SW-D-4	Surface Water	sm/sp	03/14/11 16:55	03/16/11 10:17
T11C162-08	SW-R-6	Surface Water	sm/sp	03/14/11 17:30	03/16/11 10:17
T11C162-09	SW-D-3	Surface Water	sm/sp	03/14/11 17:45	03/16/11 10:17
T11C162-10	Dup-01	Surface Water	sm/sp	03/14/11	03/16/11 10:17
T11C162-11	MW-19-12	Ground Water	sm/sp	03/15/11 09:40	03/16/11 10:17
T11C162-12	MW-19-8	Ground Water	sm/sp	03/15/11 10:46	03/16/11 10:17
T11C162-13	MW-19-17	Ground Water	sm/sp	03/15/11 11:52	03/16/11 10:17
T11C162-14	MW-19-15	Ground Water	sm/sp	03/15/11 13:21	03/16/11 10:17
T11C162-15	MW-19-16	Ground Water	sm/sp	03/15/11 15:33	03/16/11 10:17
T11C162-16	MW-29s	Ground Water	sm/sp	03/15/11 09:24	03/16/11 10:17
T11C162-17	MW-25(R)	Ground Water	sm/sp	03/15/11 11:44	03/16/11 10:17
T11C162-18	MW-8	Ground Water	sm/sp	03/15/11 13:10	03/16/11 10:17
T11C162-19	MW-28i	Ground Water	sm/sp	03/15/11 14:48	03/16/11 10:17
T11C162-20	MW-28s	Ground Water	sm/sp	03/15/11 15:53	03/16/11 10:17
T11C162-21	SW-D-2	Surface Water	sm/sp	03/15/11 18:00	03/16/11 10:17
T11C162-22	SW-D-1	Surface Water	sm/sp	03/15/11 18:10	03/16/11 10:17
T11C162-23	Dup-02	Ground Water	sm/sp	03/15/11	03/16/11 10:17
T11C162-24	Trip Blank	Surface Water	sm/sp	03/15/11	03/16/11 10:17
T11C162-25	MW-27s	Ground Water	sm/sp	03/16/11 08:10	03/17/11 10:47
T11C162-26	MW-19-7R	Ground Water	sm/sp	03/16/11 10:20	03/17/11 10:47
T11C162-27	MW-19-6R	Ground Water	sm/sp	03/16/11 10:24	03/17/11 10:47
T11C162-28	MW-19R	Ground Water	sm/sp	03/16/11 11:42	03/17/11 10:47
T11C162-29	MW-19-14	Ground Water	sm/sp	03/16/11 12:56	03/17/11 10:47
T11C162-30	MW-19-13	Ground Water	sm/sp	03/16/11 13:03	03/17/11 10:47
T11C162-31	MW-19-5R	Ground Water	sm/sp	03/16/11 14:10	03/17/11 10:47
T11C162-32	ATM-01	Ground Water	sm/sp	03/16/11 14:28	03/16/11 10:17
T11C162-33	MW-30I	Ground Water	sm/sp	03/16/11 15:49	03/17/11 10:47
T11C162-34	MW-30D	Ground Water	sm/sp	03/16/11 16:00	03/17/11 10:47
T11C162-35	MW-30S	Ground Water	sm/sp	03/16/11 17:09	03/17/11 10:45
T11C162-36	Dup-03	Ground Water	sm/sp	03/16/11	03/17/11 10:45
T11C162-37	TB-02	Ground Water	sm/sp	03/03/11	03/17/11 10:45

CERTIFICATE OF ANALYSIS

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Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com $www.trace\hbox{-labs.com}$

T11C162-38	MW-35S	Ground Water	sp	03/17/11 07:45	03/18/11 10:14
T11C162-39	MW-34S	Ground Water	sp	03/17/11 08:50	03/18/11 10:14
T11C162-40	MW-32S	Ground Water	sp	03/17/11 08:20	03/18/11 10:14
T11C162-41	MW-31S	Ground Water	sp	03/17/11 09:25	03/18/11 10:14
T11C162-42	MW-33S	Ground Water	sp	03/17/11 09:55	03/18/11 10:14
T11C162-43	RB-01	Ground Water	sp	03/17/11 09:30	03/18/11 10:14
T11C162-44	RB-02	Ground Water	sp	03/17/11 09:40	03/18/11 10:14
T11C162-45	RB-03	Ground Water	sp	03/17/11 09:50	03/18/11 10:14
T11C162-46	TB-03	Ground Water	sp	03/03/11	03/18/11 10:14



phone toll-free fax

231.773.5998 800.733.5998 231.773.6537 Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

* Indicates a result that exceeds its associated MCL or Surrogate control limits

N Indicates that the compound has not been evaluated by NELAC

NA Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T021919-MSD1						
Analysis: EPA 300.0 Rev. 2.1						
Sulfate as SO4	Note 222: The MS and MSD recoveries were out of control. Because the sample background concentration of this analyte is greater than four times the spike amount, no data require qualification.					
Trace ID: T021934-MSD1						
Analysis: EPA 8270C						
Di-n-butyl phthalate	Note 207: The RPD between the MS and the MSD was out of control. Because both spike recoveries were in control, no data require qualification.					
Trace ID: T022028-MS1 Analysis: EPA 8260B						
Toluene	Note 231: The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary.					
Toluene	Note 231: The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary.					
Trace ID: T022028-MSD1						
Analysis: EPA 8260B						
Toluene	Note 231: The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary.					
Toluene	Note 231: The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary.					
Trace ID: T11C162-11						
Analysis: SM9215B						
Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.					

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Report ID: T11C162 FINAL 03 25 11 1401



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Trace ID: T11C162-12	
Analysis: SM9215B Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.
Trace ID: T11C162-13 <i>Analysis: SM9215B</i>	
Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.
Trace ID: T11C162-14 Analysis: SM9215B	
Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.
Trace ID: T11C162-15 Analysis: SM9215B	
Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.
Trace ID: T11C162-16 <i>Analysis: SM9215B</i>	
Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.
Trace ID: T11C162-17 <i>Analysis:</i> SM9215B	
Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.
Trace ID: T11C162-18 Analysis: SM9215B	
Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.
Trace ID: T11C162-19 <i>Analysis: SM9215B</i>	
Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.
Trace ID: T11C162-20 <i>Analysis:</i> SM9215B	
Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data.

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T11C162-23

Trace ID:



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Heterotrophic Plate Count	Note 900: All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates.
	All samples exhibited normal growth patterns and were at or below historical data.
Trace ID: T11C162-36	
Analysis: SM9215B	
Heterotrophic Plate Count	Note 900b: The sample does not have the sampling time recorded. Hence the sample may have been set up past hold and may need to be considered an estimate.
Trace ID: T11C162-38	
Analysis: EPA 8270C	
2-Fluorobiphenyl	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Nitrobenzene-d5	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Terphenyl-d14	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Trace ID: T11C162-39 **Analysis: SM9215B***	
Heterotrophic Plate Count	Note 900a: The growth of spreaders exceeded 50% of the plate area, thus preventing an accurate counting of the colonies. The results should be considered estimated.
Trace ID: T11C162-40	
Analysis: EPA 8270C	
2-Fluorobiphenyl	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Nitrobenzene-d5	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Terphenyl-d14	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Analysis: SM9215B	
Heterotrophic Plate Count	Note 900a: The growth of spreaders exceeded 50% of the plate area, thus preventing an accurate counting of the colonies. The results should be considered estimated.
Trace ID: T11C162-41	
Analysis: EPA 8270C	
2-Fluorobiphenyl	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Nitrobenzene-d5	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Terphenyl-d14	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Trace ID: T11C162-42	
Analysis: EPA 8270C 2-Fluorobiphenyl	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

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Nitrobenzene-d5	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.
Terphenyl-d14	Note 302: A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

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86 %

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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Frace ID: T11C162-01 Sample ID: DRC-02			Date Collected: Date Received:		03/14/11 14:25 03/16/11 10:17		Matrix: Surface Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
OLATILE ORGANIC COMPOUND	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021923									
Benzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:									
1,2-Dichloroethane-d4	116 %	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	100 %	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMP	OUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021910									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:									

36-103

36-119

37-109

1

1

03/17/11

03/17/11

03/17/11

03/18/11

03/18/11

03/18/11

avl

avl

avl

kb

kb

kb

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Nitrobenzene-d5

2-Fluorobiphenyl

Terphenyl-d14



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ANALYTICAL RESULTS

Date Collected:

03/14/11 14:35

Matrix: Surface Water

Trace Project ID: T11C162

Batch: T021923

Trace ID:

Client Project ID: LEC / 01545.46.001

T11C162-02

Sample ID: SW-D-5		Date F	03/16/11 10:17						
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS B									
Analysis Method: EPA 8260B									

Benzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	
Toluene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	
Ethylbenzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	
m,p-Xylene	<1.0 ug/L	1.0	1	03/16/11	was	03/16/11	was	N
o-Xylene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	N
Xylenes, total	<1.5 ug/L	1.5	1	03/16/11	was	03/16/11	was	
Surrogates:								
1,2-Dichloroethane-d4	120 %	68-133	1	03/16/11	was	03/16/11	was	
Toluene-d8	99 %	75-120	1	03/16/11	was	03/16/11	was	

SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Method: EPA 8270C

Batch: T021910							
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl
Surrogates:							
Nitrobenzene-d5	45 %	36-103	1	03/17/11	kb	03/18/11	avl
2-Fluorobiphenyl	56 %	36-119	1	03/17/11	kb	03/18/11	avl
Terphenyl-d14	60 %	37-109	1	03/17/11	kb	03/18/11	avl

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ANALYTICAL RESULTS

Trace Project ID: T11C162

Terphenyl-d14

Client Project ID: LEC / 01545.46.001

Trace ID:	T11C162-03		Date C	collected:	03/14/11 16:0)5	Matrix:	Surface	Water	
Sample ID:	SW-R-1		Date R	teceived:	03/16/11 10:1	17				
PARAMETE	RS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE	ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Me	ethod: EPA 8260B									
Batch:	T021923									
Benzene		<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene		<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenz	zene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xyler	ne	<1.0 ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene		<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes,	total	<1.5 ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogate	es:									
1,2-Dicl	hloroethane-d4	117 %	68-133	1	03/16/11	was	03/16/11	was		
Toluene	e-d8	101 %	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLA	ATILE ORGANIC COMPO	OUNDS BY GC-MS								
Analysis Me	ethod: EPA 8270C									
Batch:	T021910									

2000 102.0.0							
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl
Surrogates:							
Nitrobenzene-d5	55 %	36-103	1	03/17/11	kb	03/18/11	avl
2-Fluorobiphenyl	60 %	36-119	1	03/17/11	kb	03/18/11	avl

37-109

03/17/11

03/18/11

79 %



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-04 Sample ID: SW-R-2			Collected: Received:	03/14/11 16:1 03/16/11 10:1		Matrix:	Surface	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUND	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021923									
Benzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:									
1,2-Dichloroethane-d4	118 %	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	100 %	75-120	1	03/16/11	was	03/16/11	was		

SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Method: EPA 8270C

Batch: T021910							
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl
Surrogates:							
Nitrobenzene-d5	70 %	36-103	1	03/17/11	kb	03/18/11	avl
2-Fluorobiphenyl	77 %	36-119	1	03/17/11	kb	03/18/11	avl
Terphenyl-d14	88 %	37-109	1	03/17/11	kb	03/18/11	avl



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Sample ID: SW-R-3 PARAMETERS VOLATILE ORGANIC (Analysis Method: EPA 8:	RESULTS UNITS OMPOUNDS BY GC-MS	RDL	Received: DILUTION	03/16/11 10:1	BY				
	OMPOUNDS BY GC-MS			/	DΤ	ANALYZED	BY	NOTES	MCL
Analysis Method: EPA 82									
	<u>60B</u>								
Batch: T021923									
Benzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:									
1,2-Dichloroethane-c	121 %	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	100 %	75-120	1	03/16/11	was	03/16/11	was		

Analysis Method: EPA 8270C

Batch: T021910							
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl
Surrogates:							
Nitrobenzene-d5	63 %	36-103	1	03/17/11	kb	03/18/11	avl
2-Fluorobiphenyl	68 %	36-119	1	03/17/11	kb	03/18/11	avl
Terphenyl-d14	80 %	37-109	1	03/17/11	kb	03/18/11	avl



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-06 Date Collected: 03/14/11 16:35 Matrix: Surface Water

Sample ID: SW-R-4 Date Received: 03/16/11 10:17 **RESULTS UNITS PARAMETERS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8260B Batch: T021923 <0.50 ug/L Benzene 0.50 1 03/16/11 was 03/16/11 was Toluene <0.50 ug/L 0.50 1 03/16/11 was 03/16/11 was Ethylbenzene <0.50 ug/L 03/16/11 0.50 1 03/16/11 was was m,p-Xylene <1.0 ug/L 1.0 1 03/16/11 was 03/16/11 was Ν <0.50 ug/L 03/16/11 03/16/11 o-Xylene Ν 0.50 1 was was Xylenes, total <1.5 ug/L 1 03/16/11 03/16/11 1.5 was was Surrogates: 122 % 1,2-Dichloroethane-d4 68-133 1 03/16/11 was 03/16/11 was 101 % Toluene-d8 75-120 03/16/11 was 03/16/11 was SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS Analysis Method: EPA 8270C Batch: T021910

Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl
Surrogates:							
Nitrobenzene-d5	62 %	36-103	1	03/17/11	kb	03/18/11	avl
2-Fluorobiphenyl	69 %	36-119	1	03/17/11	kb	03/18/11	avl
Terphenyl-d14	85 %	37-109	1	03/17/11	kb	03/18/11	avl



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ANALYTICAL RESULTS

Trace Project ID: T11C162

2-Fluorobiphenyl

Terphenyl-d14

Client Project ID: LEC / 01545.46.001

Frace ID: T11C162-07 Sample ID: SW-D-4			Collected: Received:	03/14/11 16:5 03/16/11 10:1		Matrix:	Surface	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021923									
Benzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	2.0 ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	4.4 ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	4.4 ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates:									
1,2-Dichloroethane-d4	124 %	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	99 %	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021910									
Bis(2-ethylhexyl)phthalate	<0.98 ug/L	0.98	1	03/17/11	kb	03/21/11	avl		
Surrogates:									
Nitrobenzene-d5	54 %	36-103	1	03/17/11	kb	03/21/11	avl		

36-119

37-109

1

1

03/17/11

03/17/11

kb

kb

03/21/11

03/21/11

avl

avl

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62 %

79 %



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69 %

73 %

88 %

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ANALYTICAL RESULTS

Trace Project ID: T11C162

Nitrobenzene-d5

2-Fluorobiphenyl

Terphenyl-d14

Client Project ID: LEC / 01545.46.001

Ггасе ID: T11C162-08 Sample ID: SW-R-6			collected:	03/14/11 17:3 03/16/11 10:1		Matrix:	Surface	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
VOLATILE ORGANIC COMPOUND	OS BY GC-MS								
Analysis Method: EPA 8260B Batch: T021923									
Benzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Toluene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/16/11	was	03/16/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/16/11	was	03/16/11	was		
Surrogates: 1,2-Dichloroethane-d4	121 %	68-133	1	03/16/11	was	03/16/11	was		
Toluene-d8	100 %	75-120	1	03/16/11	was	03/16/11	was		
SEMI-VOLATILE ORGANIC COMP	POUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021910									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:	20.04								

36-103

36-119

37-109

1

1

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03/18/11

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87 %

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ANALYTICAL RESULTS

Trace Project ID: T11C162

Terphenyl-d14

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-09 Sample ID: SW-D-3			Collected: Received:	03/14/11 17:4 03/16/11 10:		Matrix:	Surface	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	125 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	101 %	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021910									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:									
Nitrobenzene-d5	66 %	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	70 %	36-119	1	03/17/11	kb	03/18/11	avl		

37-109

1

03/17/11

kb

03/18/11

avl



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-10		Date 0	Collected:	03/14/11		Matrix:	Surface	Water	
Sample ID: Dup-01		Date F	Received:	03/16/11 10:	17				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	2.1 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	4.6 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	4.6 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	124 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	100 %	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021910									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/19/11	avl		
Surrogates:									
Nitrobenzene-d5	57 %	36-103	1	03/17/11	kb	03/19/11	avl		
2-Fluorobiphenyl	64 %	36-119	1	03/17/11	kb	03/19/11	avl		
Terphenyl-d14	82 %	37-109	1	03/17/11	kb	03/19/11	avl		



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Sample ID: MW-19-12			Collected: Received:	03/15/11 09: 03/16/11 10:		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021972									
1,3-Butadiene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:									
1,2-Dichloroethane-d4	94 %	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	98 %	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021910									
				03/17/11	kb	03/18/11	avl		
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11		00/10/11			
Bis(2-ethylhexyl)phthalate Surrogates:	<0.95 ug/L	0.95	1	03/17/11		00/10/11			
	<0.95 ug/L 57 %	0.95 36-103	1	03/17/11	kb	03/18/11	avl		
Surrogates:							avl avl		
Surrogates: Nitrobenzene-d5	57 %	36-103	1	03/17/11	kb	03/18/11			
Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	57 % 57 %	36-103 36-119	1 1	03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avl		
Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL	57 % 57 %	36-103 36-119	1 1	03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avl		
Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl	57 % 57 %	36-103 36-119	1 1	03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avl		

CERTIFICATE OF ANALYSIS



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

race ID: T11C162-11 sample ID: MW-19-12			Collected: Received:	03/15/11 09:4 03/16/11 10:1		Matrix: Ground Water			_	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI	
METALS, DISSOLVED										
Analysis Method: EPA 6020										
Batch: T021889										
Lead	<0.0030 mg/L	0.0030	1	03/16/11	jd	03/16/11	jd			
VET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T021899										
Nitrate as N	1.0 mg/L	0.075	5	03/16/11	bd	03/16/11	bd			
Sulfate as SO4	11 mg/L	2.5	5	03/16/11	bd	03/16/11	bd			
Analysis Method: EPA 350.1 Rev. 2.0										
Batch: T021908										
Ammonia as N	0.028 mg/L	0.010	1	03/17/11	sm	03/17/11	sm			
Analysis Method: SM 2540 C-97										
Batch: T021895										
Total Dissolved Solids	280 mg/L	10	1	03/16/11	as	03/18/11	as			
Analysis Method: SM 2540 D-97										
Batch: T021896										
Total Suspended Solids	14 mg/L	4.0	1	03/16/11	as	03/16/11	as			
Analysis Method: SM9215B										
Batch: T021888										
Heterotrophic Plate Count	4.0 CFU/ml	1.0	1	03/16/11	da	03/18/11	da	900, N		
OLATILE ORGANIC COMPOUNDS BY GC										
Analysis Method: RSK-175(MOD) / ISOTECH										
Batch: T022046										
Methane	<1.0 ug/L	1.0	1	03/22/11	was	03/22/11	was	N		



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Phosphorus

Client Project ID: LEC / 01545.46.001

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MC VOLATILE ORGANIC COMPOUNDS BY GC-MS Analysis Method: EPA 82608 Batch: 7021972 1.3-Butadiene <1.0 ug/L	Trace ID: T11C162-12 Sample ID: MW-19-8			Collected: Received:	03/15/11 10 03/16/11 10		Matrix:	Ground	Water	
### Analysis Method: EPA 3260B ### Batch: T021972 1.3-Butadiene	PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPAREI) BY	ANALYZED	BY	NOTES	MC
### Batch: T021972 1,3-Butadiene	VOLATILE ORGANIC COMPOUND	OS BY GC-MS								
1,3-Butadiene	Analysis Method: EPA 8260B									
Benzene	Batch: T021972									
Toluene	1,3-Butadiene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Ethylbenzene	Benzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
mp-Xylene	Toluene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
O-Xylene	Ethylbenzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Xylenes, total	m,p-Xylene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Surrogates: 1,2-Dichloroethane-d4 95 % 68-133 1 03/18/11 was 03/18/11 was Toluene-d8 98 % 75-120 1 03/18/11 was 03/18/11 was SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS Analysis Method: EPA 8270C Batch: T021910 Bis(2-ethylhexyl)phthalate <0.95 ug/L 0.95 1 03/17/11 kb 03/18/11 avl Surrogates: Nitrobenzene-d5 55 % 36-103 1 03/17/11 kb 03/18/11 avl 2-Fluorobiphenyl 57 % 36-119 1 03/17/11 kb 03/18/11 avl Terphenyl-d14 66 % 37-109 1 03/17/11 kb 03/18/11 avl	o-Xylene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
1,2-Dichloroethane-d4 95 % 68-133 1 03/18/11 was 03/18/11 was 10 was 10 10 10 10 10 10 10 10 10 10 10 10 10	Xylenes, total	<1.5 ug/L	1.5	1	03/18/11	was	03/18/11	was		
Toluene-d8 98 % 75-120 1 03/18/11 was 03/18/11 was SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS Analysis Method: EPA 8270C Batch: T021910 Bis(2-ethylhexyl)phthalate <0.95 ug/L 0.95 1 03/17/11 kb 03/18/11 av/ Surrogates: Nitrobenzene-d5 55 % 36-103 1 03/17/11 kb 03/18/11 av/ 2-Fluorobiphenyl 57 % 36-119 1 03/17/11 kb 03/18/11 av/ Terphenyl-d14 66 % 37-109 1 03/17/11 kb 03/18/11 av/ METALS, TOTAL Analysis Method: EPA 6010B	Surrogates:									
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS	1,2-Dichloroethane-d4	95 %	68-133	1	03/18/11	was	03/18/11	was		
Analysis Method: EPA 8270C Batch: T021910 Bis(2-ethylhexyl)phthalate <0.95 ug/L 0.95 1 03/17/11 kb 03/18/11 avl Surrogates: Nitrobenzene-d5 55 % 36-103 1 03/17/11 kb 03/18/11 avl 2-Fluorobiphenyl 57 % 36-119 1 03/17/11 kb 03/18/11 avl Terphenyl-d14 66 % 37-109 1 03/17/11 kb 03/18/11 avl WETALS, TOTAL Analysis Method: EPA 6010B	Toluene-d8	98 %	75-120	1	03/18/11	was	03/18/11	was		
Batch: T021910 Bis(2-ethylhexyl)phthalate <0.95 ug/L 0.95 1 03/17/11 kb 03/18/11 avl Surrogates: Nitrobenzene-d5 55 % 36-103 1 03/17/11 kb 03/18/11 avl 2-Fluorobiphenyl 57 % 36-119 1 03/17/11 kb 03/18/11 avl Terphenyl-d14 66 % 37-109 1 03/17/11 kb 03/18/11 avl	SEMI-VOLATILE ORGANIC COMP	OUNDS BY GC-MS								
Bis(2-ethylhexyl)phthalate <0.95 ug/L 0.95 1 03/17/11 kb 03/18/11 avl Surrogates: Nitrobenzene-d5 55 % 36-103 1 03/17/11 kb 03/18/11 avl 2-Fluorobiphenyl 57 % 36-119 1 03/17/11 kb 03/18/11 avl Terphenyl-d14 66 % 37-109 1 03/17/11 kb 03/18/11 avl	Analysis Method: EPA 8270C									
Surrogates: Nitrobenzene-d5 55 % 36-103 1 03/17/11 kb 03/18/11 avl 2-Fluorobiphenyl 57 % 36-119 1 03/17/11 kb 03/18/11 avl Terphenyl-d14 66 % 37-109 1 03/17/11 kb 03/18/11 avl WETALS, TOTAL Analysis Method: EPA 6010B	Batch: T021910									
Nitrobenzene-d5 55 % 36-103 1 03/17/11 kb 03/18/11 avl 2-Fluorobiphenyl 57 % 36-119 1 03/17/11 kb 03/18/11 avl Terphenyl-d14 66 % 37-109 1 03/17/11 kb 03/18/11 avl WETALS, TOTAL Analysis Method: EPA 6010B	Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl 57 % 36-119 1 03/17/11 kb 03/18/11 avl Terphenyl-d14 66 % 37-109 1 03/17/11 kb 03/18/11 avl WETALS, TOTAL Analysis Method: EPA 6010B	Surrogates:									
Terphenyl-d14 66 % 37-109 1 03/17/11 kb 03/18/11 avl WETALS, TOTAL Analysis Method: EPA 6010B	Nitrobenzene-d5		36-103	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL Analysis Method: EPA 6010B	2-Fluorobiphenyl		36-119	1	03/17/11	kb	03/18/11	avl		
Analysis Method: EPA 6010B	Terphenyl-d14	66 %	37-109	1	03/17/11	kb	03/18/11	avl		
	METALS, TOTAL									
	Analysis Method: EPA 6010B									

CERTIFICATE OF ANALYSIS

0.050

1

03/18/11

ns

03/21/11

jlm

<0.050 mg/L



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-12 Sample ID: MW-19-8			Collected: Received:	03/15/11 10:4 03/16/11 10:1		Matrix: Ground Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021889									
Lead	<0.0030 mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		
NET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021899									
Nitrate as N	2.6 mg/L	0.075	5	03/16/11	bd	03/16/11	bd		
Sulfate as SO4	37 mg/L	2.5	5	03/16/11	bd	03/16/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021908									
Ammonia as N	0.026 mg/L	0.010	1	03/17/11	sm	03/17/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021895									
Total Dissolved Solids	1900 mg/L	10	1	03/16/11	as	03/18/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021896									
Total Suspended Solids	4.0 mg/L	4.0	1	03/16/11	as	03/16/11	as		
Analysis Method: SM9215B									
Batch: T021888									
Heterotrophic Plate Count	40 CFU/ml	1.0	1	03/16/11	da	03/18/11	da	900, N	
OLATILE ORGANIC COMPOUNDS BY GC									
Analysis Method: RSK-175(MOD) / ISOTECH Batch: T022046									
Methane	1.2 ug/L	1.0	1	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Phosphorus

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-13 Sample ID: MW-19-17			Collected: Received:	03/15/11 11:5 03/16/11 10:		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021972									
1,3-Butadiene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:									
1,2-Dichloroethane-d4	96 %	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	95 %	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021910									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
		00.400		00117111		00/40/44			
Surrogates:	72 0/		1	03/17/11	kb	03/18/11	avl		
Nitrobenzene-d5	72 %	36-103							
Nitrobenzene-d5 2-Fluorobiphenyl	71 %	36-119	1	03/17/11	kb	03/18/11	avl		
Nitrobenzene-d5				03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avi		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	71 %	36-119	1						
Nitrobenzene-d5 2-Fluorobiphenyl	71 %	36-119	1						

CERTIFICATE OF ANALYSIS

0.092 mg/L

0.050

03/18/11

ns

03/21/11

jlm



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-13 Sample ID: MW-19-17			Collected: Received:	03/15/11 11:5 03/16/11 10:1		Matrix: Ground Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021889									
Lead	<0.0030 mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		
NET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021899									
Nitrate as N	<0.075 mg/L	0.075	5	03/16/11	bd	03/16/11	bd		
Sulfate as SO4	13 mg/L	2.5	5	03/16/11	bd	03/16/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021908									
Ammonia as N	0.91 mg/L	0.010	1	03/17/11	sm	03/17/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021895									
Total Dissolved Solids	1300 mg/L	10	1	03/16/11	as	03/18/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021896									
Total Suspended Solids	14 mg/L	4.0	1	03/16/11	as	03/16/11	as		
Analysis Method: SM9215B									
Batch: T021888									
Heterotrophic Plate Count	64 CFU/mI	1.0	1	03/16/11	da	03/18/11	da	900, N	
/OLATILE ORGANIC COMPOUNDS BY GO	:								
	•								
Analysis Method: RSK-175(MOD) / ISOTECH Batch: T022046									
Methane	33 ug/L	10	10	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Frace ID: Sample ID:	T11C162-14 MW-19-15			Collected: Received:	03/15/11 13:: 03/16/11 10:		Matrix:	Ground	Water	
PARAMETERS	;	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
OLATILE O	RGANIC COMPOUNDS	BY GC-MS								
Analysis Meth	od: EPA 8260B									
Batch: T0	21972									
1,3-Butadie	ne	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene		<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene		<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzer	ne	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene		<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene		<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, tot	al	<1.5 ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates	•									
1,2-Dichlo	roethane-d4	95 %	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d	8	95 %	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLAT	ILE ORGANIC COMPO	UNDS BY GC-MS								
Analysis Meth	od: EPA 8270C									
Batch: T0										
	exyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates		2.22 29.2	0.55							
Nitrobenz		47 %	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorob	phenyl	52 %	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl	-d14	66 %	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TO	TAL									
Analysis Meth	od: EPA 6010B									
Batch: T0	21944									
		<0.050 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

race ID: T11C162-14 Sample ID: MW-19-15			Collected: Received:	03/15/11 13:2 03/16/11 10:1		Matrix:	Ground '	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021889									
Lead	<0.0030 mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		
VET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021899									
Nitrate as N	3.4 mg/L	0.075	5	03/16/11	bd	03/16/11	bd		
Sulfate as SO4	54 mg/L	2.5	5	03/16/11	bd	03/16/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021908									
Ammonia as N	0.015 mg/L	0.010	1	03/17/11	sm	03/17/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021895									
Total Dissolved Solids	1400 mg/L	10	1	03/16/11	as	03/18/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021896									
Total Suspended Solids	7.0 mg/L	4.0	1	03/16/11	as	03/16/11	as		
Analysis Method: SM9215B									
Batch: T021888									
Heterotrophic Plate Count	2200 CFU/ml	1.0	1	03/16/11	da	03/18/11	da	900, N	
OLATILE ORGANIC COMPOUNDS BY	′ GC								
Analysis Method: RSK-175(MOD) / ISOTEC									
Batch: T022046	_								
Methane	<1.0 ug/L	1.0	1	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Sample ID: MW-19-16			Collected: Received:	03/15/11 15: 03/16/11 10:		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED		ANALYZED	BY	NOTES	MC
VOLATILE ORGANIC COMPOUNDS	BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021972									
1,3-Butadiene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:									
1,2-Dichloroethane-d4	95 %	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	97 %	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
Analysis Method: EPA 8270C									
MILLINGIS INICHIOU. LEA UZIUU									
Batch: T021910									
<u> </u>	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Batch: T021910	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Batch: T021910 Bis(2-ethylhexyl)phthalate	66 %	0.95 36-103	1	03/17/11	kb kb	03/18/11	avl avl		
Batch: T021910 Bis(2-ethylhexyl)phthalate Surrogates:									
Batch: T021910 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5	66 %	36-103	1	03/17/11	kb	03/18/11	avl		
Batch: T021910 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	66 % 72 %	36-103 36-119	1 1	03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avl avl		
Batch: T021910 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	66 % 72 %	36-103 36-119	1 1	03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avl avl		
Batch: T021910 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	66 % 72 %	36-103 36-119	1 1	03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avl avl		

CERTIFICATE OF ANALYSIS



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-15 Sample ID: MW-19-16			Collected: Received:	03/15/11 15:3 03/16/11 10:1		Matrix: Ground Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021889									
Lead	<0.0030 mg/L	0.0030	1	03/16/11	jd	03/16/11	jd		
VET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021899									
Nitrate as N	4.6 mg/L	0.075	5	03/16/11	bd	03/16/11	bd		
Sulfate as SO4	100 mg/L	2.5	5	03/16/11	bd	03/16/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021908									
Ammonia as N	0.012 mg/L	0.010	1	03/17/11	sm	03/17/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021895									
Total Dissolved Solids	950 mg/L	10	1	03/16/11	as	03/18/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021896									
Total Suspended Solids	<4.0 mg/L	4.0	1	03/16/11	as	03/16/11	as		
Analysis Method: SM9215B									
Batch: T021888									
Heterotrophic Plate Count	740 CFU/ml	1.0	1	03/16/11	da	03/18/11	da	900, N	
OLATILE ORGANIC COMPOUNDS BY GC									
Analysis Method: RSK-175(MOD) / ISOTECH									
Batch: T022046									
Methane	<1.0 ug/L	1.0	1	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Sample ID: MW-29s			Collected: Received:	03/15/11 09:2 03/16/11 10:1		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
VOLATILE ORGANIC COMPOUNDS	BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	126 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	104 %	75-120	1	03/17/11	was	03/17/11	was		
Analysis Method: EPA 8270C Batch: T021910									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Bis(2-ethylhexyl)phthalate Surrogates:	·	0.95	1	03/17/11	kb	03/18/11	avl		
	<0.95 ug/L 63 %	0.95 36-103	1	03/17/11	kb kb	03/18/11	avl avl		
Surrogates:	·								
Surrogates: Nitrobenzene-d5	63 %	36-103	1	03/17/11	kb	03/18/11	avl		
Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	63 % 66 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avl avl		
Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	63 % 66 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avl avl		
Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B	63 % 66 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avl avl		
Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL	63 % 66 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/18/11 03/18/11	avl avl		
Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944	63 % 66 % 74 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/18/11 03/18/11 03/18/11	avl avl avl		
Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944 Phosphorus	63 % 66 % 74 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/18/11 03/18/11 03/18/11	avl avl avl		
Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944 Phosphorus METALS, DISSOLVED	63 % 66 % 74 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/18/11 03/18/11 03/18/11	avl avl avl		



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-16 Date Collected: 03/15/11 09:24 Matrix: Ground Water

Sample ID: MW-29s Date Received: 03/16/11 10:17

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL

WET CHEMISTRY

Analysis Method: EPA 300.0 Rev. 2.1

Batch:	T021899
1:44	- NI

Nitrate as N	0.093 mg/L	0.075	5	03/16/11	bd	03/16/11	bd
Sulfate as SO4	4.1 mg/L	2.5	5	03/16/11	bd	03/16/11	bd

Analysis Method: EPA 350.1 Rev. 2.0

Batch:	T021908

Ammonia as N	4.3 mg/L	0.010	1	03/17/11	sm	03/17/11	sm
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Analysis Method: SM 2540 C-97

Batch:	T021895
Tatal Dia	anlund Cali

Total Dissolved Solids 540 mg/L 10 1 03/16/11 as 03/18/11 as

Analysis Method: SM 2540 D-97

Batch: T021896

Total Suspended Solids 15 mg/L 4.0 1 03/16/11 as 03/16/11 as

Analysis Method: SM9215B

Batch: T021888

Heterotrophic Plate Count 470 CFU/ml 1.0 1 03/16/11 da 03/18/11 da 900, N

VOLATILE ORGANIC COMPOUNDS BY GC

Analysis Method: RSK-175(MOD) / ISOTECH

Batch: T022046

Methane 1800 ug/L 100 100 03/22/11 was 03/22/11 was N



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-17 Sample ID: MW-25(R)			Date Collected: Date Received:		03/15/11 11:44 03/16/11 10:17		Matrix: Ground Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
VOLATILE ORGANIC COMPOUNDS I	BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	125 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	102 %	75-120	1	03/17/11	was	03/17/11	was		
Analysis Method: EPA 8270C Batch: T021910									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:									
Nitrobenzene-d5	56 %	36-103	1	03/17/11	kb	03/18/11	avl		
Miliobelizerie-ub						00/10/11	avi		
2-Fluorobiphenyl	61 %	36-119	1	03/17/11	kb	03/18/11	avl		
	61 % 75 %	36-119 37-109	1	03/17/11 03/17/11	kb kb				
2-Fluorobiphenyl						03/18/11	avl		
2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL						03/18/11	avl		
2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B						03/18/11	avl		
2-Fluorobiphenyl Terphenyl-d14						03/18/11	avl		
2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944 Phosphorus	75 %	37-109	1	03/17/11	kb	03/18/11 03/18/11	avl avl		
2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944 Phosphorus METALS, DISSOLVED	75 %	37-109	1	03/17/11	kb	03/18/11 03/18/11	avl avl		
2-Fluorobiphenyl Terphenyl-d14 //ETALS, TOTAL Analysis Method: EPA 6010B Batch: T021944	75 %	37-109	1	03/17/11	kb	03/18/11 03/18/11	avl avl		



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03/16/11

03/18/11

as

as

ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-17 Date Collected: 03/15/11 11:44 Matrix: Ground Water

Sample ID: MW-25(R) Date Received: 03/16/11 10:17

420 mg/L

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL

WET CHEMISTRY

Analysis Method: EPA 300.0 Rev. 2.1

Batch:	T021899
1:44	- NI

Nitrate as N	0.090 mg/L	0.075	5	03/16/11	bd	03/16/11	bd
Sulfate as SO4	15 mg/L	2.5	5	03/16/11	bd	03/16/11	bd

Analysis Method: EPA 350.1 Rev. 2.0

Batch:	T021908

Ammonia as N 0.16 mg/L 0.010	1	03/17/11	sm	03/17/11	sm
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Analysis Method: SM 2540 C-97

Batch: T021895	
Total Dissolved Solids	

Analysis Method: SM 2540 D-97

Batch: T021896

Total Suspended Solids 23 mg/L 4.0 1 03/16/11 as 03/16/11 as

Analysis Method: SM9215B

Batch: T021888

Heterotrophic Plate Count 6400 CFU/ml 1.0 1 03/16/11 da 03/18/11 da 900, N

10

VOLATILE ORGANIC COMPOUNDS BY GC

Analysis Method: RSK-175(MOD) / ISOTECH

Batch: T022046

Methane 36 ug/L 1.0 1 03/22/11 was 03/22/11 was N



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Lead

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-18 Sample ID: MW-8		Date C Date R			03/15/11 13:10 03/16/11 10:17		Matrix: Ground Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
OLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	122 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	100 %	75-120	1	03/17/11	was	03/17/11	was		
Analysis Method: EPA 8270C Batch: T021910 Bis(2-ethylhexyl)phthalate	3.5 ug/L	0.95	1	03/17/11	kb	03/18/11	avl		
Surrogates:	· ·								
Nitrobenzene-d5	57 %	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	61 %	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	74 %	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL									
Analysis Method: EPA 6010B									
	0.18 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		
Analysis Method: EPA 6010B Batch: T021944 Phosphorus	0.18 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		
Analysis Method: EPA 6010B Batch: T021944 Phosphorus METALS, DISSOLVED	0.18 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		
	0.18 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		

CERTIFICATE OF ANALYSIS

0.0030

03/16/11

03/16/11

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<0.0030 mg/L



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-18 Date Collected: 03/15/11 13:10 Matrix: Ground Water

Sample ID: MW-8 Date Received: 03/16/11 10:17

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL

WET CHEMISTRY

Analysis	: Method:	ΕPA	300.0	Rev.	2.1

Batch:	T021899
litrate a	s N

Nitrate as N	0.089 mg/L	0.075	5	03/16/11	bd	03/16/11	bd
Sulfate as SO4	<2.5 mg/L	2.5	5	03/16/11	bd	03/16/11	bd

Analysis Method: EPA 350.1 Rev. 2.0

Batch:	T021908

Ammonia as N	0.35 mg/L	0.010	1	03/17/11	sm	03/17/11	sm

Analysis Method: SM 2540 C-97

Batch:	T021895
Total Die	ealyad Salia

Total Dissolved Solids 500 mg/L 10 1 03/16/11 as 03/18/11 as

Analysis Method: SM 2540 D-97

Batch: T021896

Total Suspended Solids 31 mg/L 4.0 1 03/16/11 as 03/16/11 as

Analysis Method: SM9215B

Batch: T021888

Heterotrophic Plate Count 57 CFU/ml 1.0 1 03/16/11 da 03/18/11 da 900, N

VOLATILE ORGANIC COMPOUNDS BY GC

Analysis Method: RSK-175(MOD) / ISOTECH

Batch: T022046

Methane 2000 ug/L 50 50 03/22/11 was 03/22/11 was N



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-19 Sample ID: MW-28i		Date Collected: Date Received:		03/15/11 14:48 03/16/11 10:17		Matrix: Ground Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
OLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	125 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	101 %	75-120	1	03/17/11	was	03/17/11	was		
Analysis Method: EPA 8270C Batch: T021910 Bis(2-ethylhexyl)phthalate	28 ug/L	0.95	1	03/17/11	kb	03/18/11	avi		
Surrogates:		0.00							
Nitrobenzene-d5	66 %	36-103	1	03/17/11	kb	03/18/11	avl		
2-Fluorobiphenyl	69 %	36-119	1	03/17/11	kb	03/18/11	avl		
Terphenyl-d14	82 %	37-109	1	03/17/11	kb	03/18/11	avl		
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T021944 Phosphorus	0.29 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		
Batch: T021944 Phosphorus	0.29 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		
Batch: T021944 Phosphorus METALS, DISSOLVED	0.29 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		
Batch: T021944	0.29 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm		

CERTIFICATE OF ANALYSIS

<0.0030 mg/L

0.0030

03/16/11

03/16/11

Lead



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-19 Date Collected: 03/15/11 14:48 Matrix: Ground Water Sample ID: MW-28i Date Received: 03/16/11 10:17 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021899 Nitrate as N <0.075 mg/L 5 03/16/11 bd 03/16/11 bd 0.075 Sulfate as SO4 5.8 mg/L 2.5 5 03/16/11 bd 03/16/11 bd Analysis Method: EPA 350.1 Rev. 2.0 Batch: T021908 Ammonia as N 0.42 mg/L 0.010 03/17/11 sm 03/17/11 sm Analysis Method: SM 2540 C-97 Batch: T021895 **Total Dissolved Solids** 03/16/11 430 mg/L 10 1 as 03/18/11 as Analysis Method: SM 2540 D-97 Batch: T021896 **Total Suspended Solids** 15 mg/L 4.0 1 03/16/11 as 03/16/11 as

VOLATILE ORGANIC COMPOUNDS BY GC

Analysis Method: RSK-175(MOD) / ISOTECH

Batch: T022046

Analysis Method: SM9215B

Batch: T021888

Heterotrophic Plate Count

Methane 500 ug/L 20 20 03/22/11 was 03/22/11 was N

1.0

03/16/11

da

03/18/11

900, N

da

5.0 CFU/ml



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-20 Sample ID: MW-28s			Date Collected: Date Received:			03/15/11 15:53 03/16/11 10:17		Matrix: Ground Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС		
OLATILE ORGANIC COMPOUND	S BY GC-MS										
Analysis Method: EPA 8260B											
Batch: T021950											
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was				
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was				
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was				
m,p-Xylene	6.8 ug/L	1.0	1	03/17/11	was	03/17/11	was	N			
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N			
Xylenes, total	6.8 ug/L	1.5	1	03/17/11	was	03/17/11	was				
Surrogates:											
1,2-Dichloroethane-d4	123 %	68-133	1	03/17/11	was	03/17/11	was				
Toluene-d8	103 %	75-120	1	03/17/11	was	03/17/11	was				
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate	51 ug/L	0.95	1	03/17/11	kb	03/21/11	avl				
Surrogates:	31 ug/∟	0.95	•	03/1//11	ND.	03/21/11	avi				
Nitrobenzene-d5	54 %	36-103	1	03/17/11	kb	03/21/11	avl				
2-Fluorobiphenyl	60 %	36-119	1	03/17/11	kb	03/21/11	avl				
Terphenyl-d14	83 %	37-109	1	03/17/11	kb	03/21/11	avl				
METALS, TOTAL											
Analysis Method: EPA 6010B											
Analysis Method: EPA 6010B Batch: T021944											
Analysis Method: EPA 6010B Batch: T021944 Phosphorus	0.38 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm				
Batch: T021944 Phosphorus	0.38 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm				
Batch: T021944 Phosphorus METALS, DISSOLVED	0.38 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm				
Batch: T021944	0.38 mg/L	0.050	1	03/18/11	ns	03/21/11	jlm				

CERTIFICATE OF ANALYSIS

<0.0030 mg/L

0.0030

1

03/16/11

jd

03/16/11

jd

Lead



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370 mg/L

20 mg/L

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ANALYTICAL RESULTS

Date Collected:

Date Received:

03/15/11 15:53

03/16/11 10:17

03/16/11

03/16/11

as

as

03/18/11

03/16/11

as

as

1

1

Matrix: Ground Water

Trace Project ID: T11C162

Trace ID:

Sample ID:

Client Project ID: LEC / 01545.46.001

T11C162-20

MW-28s

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021899 Nitrate as N <0.075 mg/L 5 03/16/11 bd 03/16/11 bd 0.075 Sulfate as SO4 2.6 mg/L 2.5 5 03/16/11 bd 03/16/11 bd Analysis Method: EPA 350.1 Rev. 2.0 Batch: T021908 Ammonia as N 0.22 mg/L 0.010 03/17/11 sm 03/17/11 sm Analysis Method: SM 2540 C-97 Batch: T021895

Analysis Method: SM9215B

Total Dissolved Solids

Analysis Method: SM 2540 D-97

Batch: T021896

Total Suspended Solids

Batch: T021888

Heterotrophic Plate Count 360 CFU/ml 1.0 1 03/16/11 da 03/18/11 da 900, N

10

4.0

VOLATILE ORGANIC COMPOUNDS BY GC

Analysis Method: RSK-175(MOD) / ISOTECH

Batch: T022046

Methane 1700 ug/L 50 50 03/22/11 was 03/22/11 was N



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-21 Date Collected: 03/15/11 18:00 Matrix: Surface Water

Sample ID: SW-D-2 Date Received: 03/16/11 10:17

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL

VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Meth	<u>od: EPA 8260B</u>
---------------	----------------------

Batch: T021923								
Benzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	
Toluene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	
Ethylbenzene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	
m,p-Xylene	<1.0 ug/L	1.0	1	03/16/11	was	03/16/11	was	N
o-Xylene	<0.50 ug/L	0.50	1	03/16/11	was	03/16/11	was	N
Xylenes, total	<1.5 ug/L	1.5	1	03/16/11	was	03/16/11	was	
Surrogates:								
1,2-Dichloroethane-d4	115 %	68-133	1	03/16/11	was	03/16/11	was	
Toluene-d8	100 %	75-120	1	03/16/11	was	03/16/11	was	

SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Method: EPA 8270C

Batch: T021910

Bis(2-ethylhexyl)phthalate	1.8 ug/L	0.95	1	03/17/11	kb	03/18/11	avl
Surrogates:							
Nitrobenzene-d5	62 %	36-103	1	03/17/11	kb	03/18/11	avl
2-Fluorobiphenyl	64 %	36-119	1	03/17/11	kb	03/18/11	avl
Terphenyl-d14	72 %	37-109	1	03/17/11	kb	03/18/11	avl



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39 %

44 %

52 %

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ANALYTICAL RESULTS

Trace Project ID: T11C162

Surrogates:

Nitrobenzene-d5

2-Fluorobiphenyl

Terphenyl-d14

Client Project ID: LEC / 01545.46.001

Frace ID: T11C16. Sample ID: SW-D-1							Matrix:	Surface Water		
PARAMETERS		RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
OLATILE ORGANIC	COMPOUNDS BY G	C-MS								
Analysis Method: EPA	260B									
Batch: T021950										
Benzene		<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene		<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene		<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene		<1.0 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene		<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total		<1.5 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:										
1,2-Dichloroethane	d4	126 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8		101 %	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORG	ANIC COMPOUNDS	BY GC-MS								
Analysis Method: EPA	270C									
Batch: T021934										
Bis(2-ethylhexyl)phth	alate	<0.99 ug/L	0.99	1	03/17/11	kb	03/21/11	avl		

36-103

36-119

37-109

1

1

03/17/11

03/17/11

03/17/11

03/21/11

03/21/11

03/21/11

avl

avl

kb

kb

kb



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-23 Sample ID: Dup-02			Date Collected: Date Received:		03/15/11 03/16/11 10:17		Matrix: Ground Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	5.8 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	5.8 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	125 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	101 %	75-120	1	03/17/11	was	03/17/11	was		
Analysis Method: EPA 8270C Batch: T021934									
Bis(2-ethylhexyl)phthalate	52 ug/L	0.95	1	03/17/11	kb				
	_					03/21/11	avl		
Surrogates:						03/21/11	avl		
Surrogates: Nitrobenzene-d5	47 %	36-103	1	03/17/11	kb	03/21/11 03/21/11	avl avl		
-	47 % 51 %	36-103 36-119	1	03/17/11 03/17/11					
Nitrobenzene-d5					kb	03/21/11	avl		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	51 %	36-119	1	03/17/11	kb kb	03/21/11 03/21/11	avl avl		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL	51 %	36-119	1	03/17/11	kb kb	03/21/11 03/21/11	avl avl		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B	51 %	36-119	1	03/17/11	kb kb	03/21/11 03/21/11	avl avl		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944	51 % 62 %	36-119 37-109	1	03/17/11 03/17/11	kb kb kb	03/21/11 03/21/11 03/21/11	avl avl avl		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B	51 %	36-119	1	03/17/11	kb kb	03/21/11 03/21/11	avl avl		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944 Phosphorus	51 % 62 %	36-119 37-109	1	03/17/11 03/17/11	kb kb kb	03/21/11 03/21/11 03/21/11	avl avl avl		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944 Phosphorus METALS, DISSOLVED	51 % 62 %	36-119 37-109	1	03/17/11 03/17/11	kb kb kb	03/21/11 03/21/11 03/21/11	avl avl avl		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944 Phosphorus METALS, DISSOLVED	51 % 62 %	36-119 37-109	1	03/17/11 03/17/11	kb kb kb	03/21/11 03/21/11 03/21/11	avl avl avl		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944 Phosphorus METALS, DISSOLVED Analysis Method: EPA 6020	51 % 62 %	36-119 37-109	1	03/17/11 03/17/11	kb kb kb	03/21/11 03/21/11 03/21/11	avl avl avl		



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Methane

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-23 Date Collected: 03/15/11 Matrix: Ground Water Sample ID: Dup-02 Date Received: 03/16/11 10:17 **PARAMETERS RESULTS UNITS** RDL DILUTION **PREPARED** BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021899 Nitrate as N <0.075 mg/L 5 03/16/11 bd 03/16/11 bd 0.075 Sulfate as SO4 <2.5 mg/L 2.5 5 03/16/11 bd 03/16/11 bd Analysis Method: EPA 350.1 Rev. 2.0 Batch: T021908 Ammonia as N 0.22 mg/L 03/17/11 03/17/11 0.010 sm sm Analysis Method: SM 2540 C-97 Batch: T021895 **Total Dissolved Solids** 420 mg/L 03/16/11 as 03/18/11 10 Analysis Method: SM 2540 D-97 Batch: T021896 **Total Suspended Solids** 15 mg/L 1 03/16/11 as 03/16/11 as 4.0 Analysis Method: SM9215B Batch: T021888 300 CFU/ml **Heterotrophic Plate Count** 03/16/11 900, N 1.0 da 03/18/11 da **VOLATILE ORGANIC COMPOUNDS BY GC** Analysis Method: RSK-175(MOD) / ISOTECH Batch: T022046

CERTIFICATE OF ANALYSIS

1600 ug/L

50

50

03/22/11

was

03/22/11

was

Ν



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<0.50 ug/L

<1.5 ug/L

128 %

102 %

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ANALYTICAL RESULTS

Trace Project ID: T11C162

o-Xylene

Xylenes, total

Surrogates:

Toluene-d8

1,2-Dichloroethane-d4

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-24 Date Collected: 03/15/11 Matrix: Surface Water Sample ID: Trip Blank Date Received: 03/16/11 10:17 **RESULTS UNITS PARAMETERS** RDL DILUTION **PREPARED** BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8260B Batch: T021950 <0.50 ug/L 03/17/11 Benzene 0.50 1 was 03/17/11 was Toluene <0.50 ug/L 0.50 1 03/17/11 was 03/17/11 was Ethylbenzene <0.50 ug/L 03/17/11 0.50 1 03/17/11 was was m,p-Xylene <1.0 ug/L 1.0 1 03/17/11 was 03/17/11 was Ν

0.50

1.5

68-133

75-120

03/17/11

03/17/11

03/17/11

03/17/11

was

was

was

was

1

1

1

03/17/11

03/17/11

03/17/11

03/17/11

Ν

was

was

was

was



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Phosphorus

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-25 Sample ID: MW-27s		Date Collected: Date Received:		03/16/11 08:10 03/17/11 10:47		Matrix:	Ground Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPAREI		ANALYZED	BY	NOTES	MC
VOLATILE ORGANIC COMPOUND	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021972									
1,3-Butadiene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:									
1,2-Dichloroethane-d4	97 %	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	94 %	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPO	OUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021934									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/21/11	avl		
Surrogates:									
Nitrobenzene-d5	56 %	36-103	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl	64 %	36-119	1	03/17/11	kb	03/21/11	avl		
Terphenyl-d14	83 %	37-109	1	03/17/11	kb	03/21/11	avl		
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T021944									
20.0 1021011	_								

CERTIFICATE OF ANALYSIS

0.050

1

03/18/11

ns

03/21/11

jlm

<0.050 mg/L



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-25 Sample ID: MW-27s			Date Collected: Date Received:		03/16/11 08:10 03/17/11 10:47		Matrix: Ground Water			
PARAMETERS	3	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DIS	SSOLVED									
Analysis Meth	nod: EPA 6020									
Batch: T0	021916									
Lead		<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMIS	STRY									
Analysis Meth	od: EPA 300.0 Rev. 2.1									
Batch: T0				_						
Nitrate as N		2.7 mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as S	504	38 mg/L	2.5	5	03/17/11	bd	03/17/11	bd		
Analysis Meth	ood: EPA 350.1 Rev. 2.0									
Batch: T0	021958									
Ammonia a	s N	0.032 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Meth	nod: SM 2540 C-97									
Batch: T0	021921									
Total Disso	lved Solids	500 mg/L	10	1	03/17/11	as	03/18/11	as		
Analysis Meth	nod: SM 2540 D-97									
Batch: T0	021920									
Total Suspe	ended Solids	14 mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Meth	nod: SM9215B									
Batch: T0	021917									
Heterotropi	hic Plate Count	2000 CFU/ml	1.0	1	03/17/11	da	03/19/11	bd		
OLATILE O	RGANIC COMPOUNDS BY	'GC								
	nod: RSK-175(MOD) / ISOTEC									
Batch: T0		_								
Methane		<1.0 ug/L	1.0	1	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

T11C162-26 Date Collected: 03/16/11 10:20 Trace ID: Matrix: Ground Water Sample ID: MW-19-7R Date Received: 03/17/11 10:47 **PARAMETERS RESULTS UNITS** RDL DILUTION **PREPARED** BY **ANALYZED** BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8260B Batch: T021972 1,3-Butadiene <1.0 ug/L 1.0 1 03/18/11 was 03/18/11 was Ν Benzene 11 ug/L 03/18/11 was 03/18/11 was 0.50 Toluene 33000 ug/L 1000 03/22/11 03/22/11 500 was jq Ethylbenzene 1400 ug/L 50 100 03/21/11 was 03/21/11 was m,p-Xylene 03/21/11 03/21/11 4900 ug/L 100 Ν 100 was was 1300 ug/L 100 03/21/11 03/21/11 Ν o-Xylene 50 was was Xylenes, total 03/21/11 6200 ug/L 150 100 03/21/11 was was Surrogates: 93 % 1,2-Dichloroethane-d4 68-133 03/18/11 03/18/11 1 was was 112 % 1,2-Dichloroethane-d4 68-133 100 03/21/11 03/21/11 was was 97 % 1,2-Dichloroethane-d4 68-133 1000 03/22/11 03/22/11 was jq Toluene-d8 114 % 75-120 03/18/11 03/18/11 1 was was 99 % Toluene-d8 75-120 100 03/21/11 was 03/21/11 was Toluene-d8 80 % 75-120 1000 03/22/11 03/22/11 was jq SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS Analysis Method: EPA 8270C Batch: T021934 <1.0 ug/L 03/17/11 kb 03/21/11 Bis(2-ethylhexyl)phthalate avl 1.0 Surrogates: 50 % Nitrobenzene-d5 36-103 1 03/17/11 kh 03/21/11 avl 56 % 2-Fluorobiphenyl 36-119 03/17/11 03/21/11 kb 1 avl 63 % 37-109 03/17/11 03/21/11 Terphenyl-d14 1 kb avl

Analysis Method: EPA 6010B

Batch: T021944

METALS, TOTAL

Phosphorus 0.26 mg/L 03/18/11 03/21/11 0.050 ns jlm



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Frace ID: T11C162-26 Sample ID: MW-19-7R			Collected: Received:	03/16/11 10:2 03/17/11 10:4		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									
Lead	<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021919									
Nitrate as N	<0.25 mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	16 mg/L	2.5	5	03/17/11	bd	03/17/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021958									
Ammonia as N	0.28 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021921									
Total Dissolved Solids	1300 mg/L	10	1	03/17/11	as	03/18/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021920									
Total Suspended Solids	10 mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B									
Batch: T021917									
Heterotrophic Plate Count	43 CFU/ml	1.0	1	03/17/11	da	03/19/11	bd		
VOLATILE ORGANIC COMPOUNDS BY GC									
Analysis Method: RSK-175(MOD) / ISOTECH									
Batch: T022046									
Methane	3300 ug/L	100	100	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

race ID: T11C162-27 ample ID: MW-19-6R			Collected: Received:	03/16/11 10:2 03/17/11 10:4		Matrix:	Ground	Water	
ARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
OLATILE ORGANIC COMPOUNDS I	BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T022054									
1,3-Butadiene	<1.0 ug/L	1.0	1	03/18/11	jq	03/18/11	was	N	
Benzene	<0.50 ug/L	0.50	1	03/23/11	jq	03/23/11	was		
Toluene	33 ug/L	0.50	1	03/23/11	jq	03/23/11	was		
Ethylbenzene	8.1 ug/L	0.50	1	03/23/11	jq	03/23/11	was		
m,p-Xylene	32 ug/L	1.0	1	03/23/11	jq	03/23/11	was	N	
o-Xylene	5.6 ug/L	0.50	1	03/23/11	jq	03/23/11	was	N	
Xylenes, total	38 ug/L	1.5	1	03/23/11	jq	03/23/11	was		
Surrogates:									
1,2-Dichloroethane-d4	113 %	68-133	1	03/23/11	jq	03/23/11	was		
1,2-Dichloroethane-d4	96 %	68-133	1	03/18/11	jq	03/18/11	was		
Toluene-d8	96 %	75-120	1	03/23/11	jq	03/23/11	was		
Toluene-d8	97 %	75-120	1	03/18/11	jq	03/18/11	was		
EMI-VOLATILE ORGANIC COMPOU	INDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021934									
Bis(2-ethylhexyl)phthalate	1.1 ug/L	0.95	1	03/17/11	kb	03/21/11	avl		
Surrogates:									
Nitrobenzene-d5	60 %	36-103	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl	67 %	36-119	1	03/17/11	kb	03/21/11	avl		
Terphenyl-d14	84 %	37-109	1	03/17/11	kb	03/21/11	avl		
IETALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T021944									



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Гrace ID: T11C162-27 Sample ID: MW-19-6R			Collected: Received:	03/16/11 10:2 03/17/11 10:4		Matrix:	Ground V	Vater	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									
Lead	<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021919									
Nitrate as N	0.69 mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	38 mg/L	2.5	5	03/17/11	bd	03/17/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021958									
Ammonia as N	0.028 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021921									
Total Dissolved Solids	1200 mg/L	10	1	03/17/11	as	03/18/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021920									
Total Suspended Solids	8.0 mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B									
Batch: T021917									
Heterotrophic Plate Count	260 CFU/mI	1.0	1	03/17/11	da	03/19/11	bd		
VOLATILE ORGANIC COMPOUNDS BY GO	:								
Analysis Method: RSK-175(MOD) / ISOTECH									
Batch: T022046									
Methane	60 ug/L	1.0	1	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Phosphorus

Client Project ID: LEC / 01545.46.001

	Trace ID: T11C162-28 Sample ID: MW-19R			Collected: Received:	03/16/11 11 03/17/11 10		Matrix:	Ground	Water	
### Analysis Method: EPA 8260B ### Batch: T021972 1,3-Butadiene	PARAMETERS	RESULTS UNITS					ANALYZED	BY	NOTES	MC
### Batch: T021972 1,3-Butadiene	VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
1,3-Butadiene	Analysis Method: EPA 8260B									
Benzene	Batch: T021972									
Toluene	1,3-Butadiene	<1.0 ug/L	1.0	1	03/18/11	was	03/19/11	was	N	
Ethylbenzene	Benzene	<0.50 ug/L	0.50	1	03/18/11	was	03/19/11	was		
mp-Xylene	Toluene	<0.50 ug/L	0.50	1	03/18/11	was	03/19/11	was		
O-Xylene	Ethylbenzene	<0.50 ug/L	0.50	1	03/18/11	was	03/19/11	was		
Xylenes, total	m,p-Xylene	<1.0 ug/L	1.0	1	03/18/11	was	03/19/11	was	N	
Surrogates: 1,2-Dichloroethane-d4 95 % 68-133 1 03/18/11 was 03/19/11 was Toluene-d8 96 % 75-120 1 03/18/11 was 03/19/11 was SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate <1.0 ug/L 1.0 1 03/17/11 kb 03/21/11 avl Surrogates: Nitrobenzene-d5 67 % 36-103 1 03/17/11 kb 03/21/11 avl 2-Fluorobiphenyl 75 % 36-119 1 03/17/11 kb 03/21/11 avl Terphenyl-d14 84 % 37-109 1 03/17/11 kb 03/21/11 avl	o-Xylene	<0.50 ug/L	0.50	1	03/18/11	was	03/19/11	was	N	
1,2-Dichloroethane-d4 95 % 68-133 1 03/18/11 was 03/19/11 was Toluene-d8 96 % 75-120 1 03/18/11 was 03/19/11 was SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate <1.0 ug/L 1.0 1 03/17/11 kb 03/21/11 avl Surrogates: Nitrobenzene-d5 67 % 36-103 1 03/17/11 kb 03/21/11 avl 2-Fluorobiphenyl 75 % 36-119 1 03/17/11 kb 03/21/11 avl Terphenyl-d14 84 % 37-109 1 03/17/11 kb 03/21/11 avl	Xylenes, total	<1.5 ug/L	1.5	1	03/18/11	was	03/19/11	was		
Toluene-d8 96 % 75-120 1 03/18/11 was 03/19/11 was SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate <1.0 ug/L 1.0 1 03/17/11 kb 03/21/11 av/ Surrogates: Nitrobenzene-d5 67 % 36-103 1 03/17/11 kb 03/21/11 av/ 2-Fluorobiphenyl 75 % 36-119 1 03/17/11 kb 03/21/11 av/ Terphenyl-d14 84 % 37-109 1 03/17/11 kb 03/21/11 av/ WETALS, TOTAL Analysis Method: EPA 6010B	Surrogates:									
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS	1,2-Dichloroethane-d4	95 %	68-133	1	03/18/11	was	03/19/11	was		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate <1.0 ug/L	Toluene-d8	96 %	75-120	1	03/18/11	was	03/19/11	was		
Batch: T021934 Bis(2-ethylhexyl)phthalate <1.0 ug/L 1.0 1 03/17/11 kb 03/21/11 avl Surrogates: Nitrobenzene-d5 67 % 36-103 1 03/17/11 kb 03/21/11 avl 2-Fluorobiphenyl 75 % 36-119 1 03/17/11 kb 03/21/11 avl Terphenyl-d14 84 % 37-109 1 03/17/11 kb 03/21/11 avl	SEMI-VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
Bis(2-ethylhexyl)phthalate <1.0 ug/L 1.0 1 03/17/11 kb 03/21/11 avl Surrogates: Nitrobenzene-d5 67 % 36-103 1 03/17/11 kb 03/21/11 avl 2-Fluorobiphenyl 75 % 36-119 1 03/17/11 kb 03/21/11 avl Terphenyl-d14 84 % 37-109 1 03/17/11 kb 03/21/11 avl WETALS, TOTAL Analysis Method: EPA 6010B	Analysis Method: EPA 8270C									
Surrogates: Nitrobenzene-d5 67 % 36-103 1 03/17/11 kb 03/21/11 avl 2-Fluorobiphenyl 75 % 36-119 1 03/17/11 kb 03/21/11 avl Terphenyl-d14 84 % 37-109 1 03/17/11 kb 03/21/11 avl WETALS, TOTAL Analysis Method: EPA 6010B	Batch: T021934									
Nitrobenzene-d5 67 % 36-103 1 03/17/11 kb 03/21/11 avl 2-Fluorobiphenyl 75 % 36-119 1 03/17/11 kb 03/21/11 avl Terphenyl-d14 84 % 37-109 1 03/17/11 kb 03/21/11 avl WETALS, TOTAL Analysis Method: EPA 6010B	Bis(2-ethylhexyl)phthalate	<1.0 ug/L	1.0	1	03/17/11	kb	03/21/11	avl		
2-Fluorobiphenyl 75 % 36-119 1 03/17/11 kb 03/21/11 avl Terphenyl-d14 84 % 37-109 1 03/17/11 kb 03/21/11 avl WETALS, TOTAL Analysis Method: EPA 6010B	<u>-</u>									
Terphenyl-d14 84 % 37-109 1 03/17/11 kb 03/21/11 avl WETALS, TOTAL Analysis Method: EPA 6010B			36-103	1	03/17/11	kb	03/21/11	avl		
METALS, TOTAL Analysis Method: EPA 6010B	2-Fluorobiphenyl		36-119	1	03/17/11	kb	03/21/11	avl		
Analysis Method: EPA 6010B	Terphenyl-d14	84 %	37-109	1	03/17/11	kb	03/21/11	avl		
	METALS, TOTAL									
	Analysis Method: EPA 6010B									
	<u> </u>									

CERTIFICATE OF ANALYSIS

0.050

1

03/18/11

ns

03/21/11

jlm

<0.050 mg/L



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-28		Date (Collected:	03/16/11 11:4	2	Matrix:	Ground V	Vater	
Sample ID: MW-19R		Date I	Received:	03/17/11 10:4	7				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									
Lead	<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY									
Analysis Method: EPA 300.0	<u>Rev. 2.1</u>								
Batch: T021919									
Nitrate as N	3.5 mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	81 mg/L	2.5	5	03/17/11	bd	03/17/11	bd		
Analysis Method: EPA 350.1	Rev. 2.0								
Batch: T021958									
Ammonia as N	0.044 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C	<u>-97</u>								
Batch: T021921									
Total Dissolved Solids	1000 mg/L	10	1	03/17/11	as	03/18/11	as		
Analysis Method: SM 2540 D	<u>-97</u>								
Batch: T021920									
Total Suspended Solids	<4.0 mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B									
Batch: T021917									
Heterotrophic Plate Count	290 CFU/mI	1.0	1	03/17/11	da	03/19/11	bd		
VOLATILE ORGANIC CON	IPOUNDS BY GC								
Analysis Method: RSK-175(M									
Batch: T022046	<u> </u>								
Daton. 1022040	<1.0 ug/L			03/22/11				N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-29 Sample ID: MW-19-14			Collected: Received:	03/16/11 12: 03/17/11 10:		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021972									
1,3-Butadiene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	1.4 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	1.1 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:									
1,2-Dichloroethane-d4	94 %	68-133	1	03/18/11	was	03/18/11	was		
Toluene-d8	96 %	75-120	1	03/18/11	was	03/18/11	was		
SEMI-VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021934									
Bis(2-ethylhexyl)phthalate	<0.99 ug/L	0.99	1	03/17/11	kb	03/22/11	avl		
Surrogates:									
Nitrobenzene-d5	66 %	36-103	1	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	68 %	36-119	1	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	76 %	37-109	1	03/17/11	kb	03/22/11	avl		
METALS. TOTAL									
METALS, TOTAL Analysis Method: EPA 6010B									
METALS, TOTAL Analysis Method: EPA 6010B Batch: T021944									



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Frace ID: T11C162-29 Sample ID: MW-19-14			Collected: Received:	03/16/11 12:5 03/17/11 10:4		Matrix:	Ground \	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									
Lead	<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY									
Analysis Method: EPA 300.0 F Batch: T021919	Rev. 2.1								
Nitrate as N	3.5 mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	93 mg/L	2.5	5	03/17/11	bd	03/17/11	bd		
Analysis Method: EPA 350.1 F	Rev. 2.0								
Batch: T021958									
Ammonia as N	0.037 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-	97								
Batch: T021921									
Total Dissolved Solids	940 mg/L	10	1	03/17/11	as	03/18/11	as		
Analysis Method: SM 2540 D-	<u>97</u>								
Batch: T021920									
Total Suspended Solids	<4.0 mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B									
Batch: T021917									
Heterotrophic Plate Count	320 CFU/ml	1.0	1	03/17/11	da	03/19/11	bd		
VOLATILE ORGANIC COM	POUNDS BY GC								
Analysis Method: RSK-175(M									
Batch: T022046									
Methane	<1.0 ug/L	1.0	1	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Phosphorus

Client Project ID: LEC / 01545.46.001

Tace ID: T11C162-30 Sample ID: MW-19-13			Collected: Received:	03/16/11 13: 03/17/11 10:		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
OLATILE ORGANIC COMPOUND	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021972									
1,3-Butadiene	<1.0 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
Benzene	2.6 ug/L	0.50	1	03/18/11	was	03/18/11	was		
Toluene	260 ug/L	5.0	10	03/21/11	was	03/21/11	was		
Ethylbenzene	71 ug/L	0.50	1	03/18/11	was	03/18/11	was		
m,p-Xylene	290 ug/L	1.0	1	03/18/11	was	03/18/11	was	N	
o-Xylene	45 ug/L	0.50	1	03/18/11	was	03/18/11	was	N	
Xylenes, total	330 ug/L	1.5	1	03/18/11	was	03/18/11	was		
Surrogates:									
1,2-Dichloroethane-d4	92 %	68-133	1	03/18/11	was	03/18/11	was		
1,2-Dichloroethane-d4	95 %	68-133	10	03/21/11	was	03/21/11	was		
Toluene-d8	97 %	75-120	1	03/18/11	was	03/18/11	was		
Toluene-d8	98 %	75-120	10	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPO	OUNDS BY GC-MS								
Batch: T021934									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Surrogates:		36-103	1	03/17/11	kb	03/22/11	avl		
Surrogates: Nitrobenzene-d5	62 %	36-103				00/00/44	avl		
<u> </u>	66 %	36-103	1	03/17/11	kb	03/22/11	۵.,		
Nitrobenzene-d5			1	03/17/11 03/17/11	kb kb	03/22/11	avl		
Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	66 %	36-119							
Nitrobenzene-d5 2-Fluorobiphenyl	66 %	36-119							

CERTIFICATE OF ANALYSIS

0.050

03/21/11

03/21/11

jlm

0.17 mg/L



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-30 Sample ID: MW-19-13			Collected: Received:	03/16/11 13:0 03/17/11 10:4		Matrix:	Ground \	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									
Lead	<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021919									
Nitrate as N	3.5 mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	66 mg/L	2.5	5	03/17/11	bd	03/17/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021958									
Ammonia as N	0.059 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021921									
Total Dissolved Solids	470 mg/L	10	1	03/17/11	as	03/18/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021920									
Total Suspended Solids	130 mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B									
Batch: T021917									
Heterotrophic Plate Count	9000 CFU/ml	1.0	1	03/17/11	da	03/19/11	bd		
VOLATILE ORGANIC COMPOUNDS BY	GC								
Analysis Method: RSK-175(MOD) / ISOTECI									
Batch: T022046	<u> </u>								
Methane	2000 ug/L	50	50	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Frace ID: T11C162-31 Sample ID: MW-19-5R			Collected: Received:	03/16/11 14:1 03/17/11 10:4		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
VOLATILE ORGANIC COMPOUND	OS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T022053									
1,3-Butadiene	<1.0 ug/L	1.0	1	03/24/11	was	03/24/11	was	N	
Benzene	20 ug/L	0.50	1	03/21/11	was	03/22/11	was		
Toluene	92000 ug/L	250	500	03/21/11	was	03/21/11	was		
Ethylbenzene	2100 ug/L	250	500	03/21/11	was	03/21/11	was		
m,p-Xylene	8600 ug/L	500	500	03/21/11	was	03/21/11	was	N	
o-Xylene	2200 ug/L	250	500	03/21/11	was	03/21/11	was	N	
Xylenes, total	11000 ug/L	750	500	03/21/11	was	03/21/11	was		
Surrogates:									
1,2-Dichloroethane-d4	115 %	68-133	1	03/21/11	was	03/22/11	was		
1,2-Dichloroethane-d4	117 %	68-133	500	03/21/11	was	03/21/11	was		
1,2-Dichloroethane-d4	87 %	68-133	1	03/24/11	was	03/24/11	was		
Toluene-d8	93 %	75-120	1	03/21/11	was	03/22/11	was		
Toluene-d8	101 %	75-120	500	03/21/11	was	03/21/11	was		
Toluene-d8	106 %	75-120	1	03/24/11	was	03/24/11	was		
SEMI-VOLATILE ORGANIC COMP	POUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021934									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Surrogates:									
Nitrobenzene-d5	67 %	36-103	1	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	68 %	36-119	1	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	72 %	37-109	1	03/17/11	kb	03/22/11	avl		
METALS, TOTAL									
Analysis Method: EPA 6010B									

CERTIFICATE OF ANALYSIS

0.071 mg/L

0.050

03/21/11

03/21/11

jlm

Phosphorus



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Гrace ID: T11C162-31 Sample ID: MW-19-5R			Collected: Received:	03/16/11 14:1 03/17/11 10:4		Matrix:	Ground \	Nater	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									
Lead	<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021919									
Nitrate as N	0.70 mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	82 mg/L	2.5	5	03/17/11	bd	03/17/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021958									
Ammonia as N	0.32 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021921									
Total Dissolved Solids	630 mg/L	10	1	03/17/11	as	03/18/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021920									
Total Suspended Solids	9.0 mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B									
Batch: T021917									
Heterotrophic Plate Count	1100 CFU/mI	1.0	1	03/17/11	da	03/19/11	bd		
VOLATILE ORGANIC COMPOUNDS BY GO	:								
Analysis Method: RSK-175(MOD) / ISOTECH	-								
Batch: T022046									
Methane	5000 ug/L	100	100	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-32 Sample ID: ATM-01			Collected: Received:	03/16/11 14:2 03/16/11 10:1		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
OLATILE ORGANIC COMPOUN	DS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	128 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	102 %	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMI	POUNDS BY GC-MS								
SEMI-VOLATILE ORGANIC COMI Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates:	POUNDS BY GC-MS <0.95 ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate	<0.95 ug/L 70 %	0.95 36-103	1	03/17/11	kb kb	03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates:	<0.95 ug/L 70 % 72 %								
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5	<0.95 ug/L 70 %	36-103	1	03/17/11	kb	03/22/11	avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl	<0.95 ug/L 70 % 72 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	<0.95 ug/L 70 % 72 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	<0.95 ug/L 70 % 72 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B	<0.95 ug/L 70 % 72 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953 Phosphorus Analysis Method: EPA 6020	<0.95 ug/L 70 % 72 % 79 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/22/11 03/22/11 03/22/11	avl avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953 Phosphorus	<0.95 ug/L 70 % 72 % 79 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/22/11 03/22/11 03/22/11	avl avl avl		



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-32 Sample ID: ATM-01			Collected: Received:	03/16/11 14:2 03/16/11 10:1		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021919									
Nitrate as N	<0.25 mg/L	0.25	5	03/17/11	bd	03/17/11	bd		
Sulfate as SO4	<2.5 mg/L	2.5	5	03/17/11	bd	03/17/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021958									
Ammonia as N	0.042 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021921									
Total Dissolved Solids	<10 mg/L	10	1	03/17/11	as	03/18/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021920									
Total Suspended Solids	<4.0 mg/L	4.0	1	03/17/11	as	03/17/11	as		
Analysis Method: SM9215B									
Batch: T021917									
Heterotrophic Plate Count	<1.0 CFU/ml	1.0	1	03/17/11	da	03/19/11	bd		
VOLATILE ORGANIC COMPOUNDS BY G	c								
Analysis Method: RSK-175(MOD) / ISOTECH									
Batch: T022046									
Methane	<1.0 ug/L	1.0	1	03/22/11	was	03/22/11	was	N	

CERTIFICATE OF ANALYSIS



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-33 Sample ID: MW-30I			Collected: Received:	03/16/11 15:4 03/17/11 10:4		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
OLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	127 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	102 %	75-120	1	03/17/11	was	03/17/11	was		
SEMI-VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
	DUNDS BY GC-MS								
Analysis Method: EPA 8270C	DUNDS BY GC-MS 2.0 ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Analysis Method: EPA 8270C Batch: T021934	2.0 ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate		0.95 36-103	1	03/17/11 03/17/11	kb	03/22/11 03/22/11	avi avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates:	2.0 ug/L								
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5	2.0 ug/L 56 %	36-103	1	03/17/11	kb	03/22/11	avl		
Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl	2.0 ug/L 56 % 60 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL	2.0 ug/L 56 % 60 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B	2.0 ug/L 56 % 60 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	2.0 ug/L 56 % 60 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953 Phosphorus	2.0 ug/L 56 % 60 % 64 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/22/11 03/22/11 03/22/11	avl avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953	2.0 ug/L 56 % 60 % 64 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/22/11 03/22/11 03/22/11	avl avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953 Phosphorus METALS, DISSOLVED	2.0 ug/L 56 % 60 % 64 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/22/11 03/22/11 03/22/11	avl avl avl		



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-33 Date Collected: 03/16/11 15:49 Matrix: Ground Water Sample ID: MW-30I Date Received: 03/17/11 10:47 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021919 Nitrate as N <0.25 mg/L 5 03/17/11 bd 03/17/11 bd 0.25 Sulfate as SO4 10 mg/L 2.5 5 03/17/11 bd 03/17/11 bd Analysis Method: EPA 350.1 Rev. 2.0 Batch: T021958 <0.010 mg/L Ammonia as N 0.010 03/21/11 sm 03/21/11 sm Analysis Method: SM 2540 C-97 Batch: T021921 **Total Dissolved Solids** 500 mg/L 03/17/11 as 03/18/11 10 Analysis Method: SM 2540 D-97 Batch: T021920 **Total Suspended Solids** 27 mg/L 1 03/17/11 as 03/17/11 as 4.0 Analysis Method: SM9215B Batch: T021917

03/17/11

da

03/19/11

bd

VOLATILE ORGANIC COMPOUNDS BY GC

Analysis Method: RSK-175(MOD) / ISOTECH

Batch: T022046

Heterotrophic Plate Count

Methane 670 ug/L 10 10 03/22/11 was 03/22/11 was N

1.0

50 CFU/ml



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-34 Sample ID: MW-30D			Collected: Received:	03/16/11 16:0 03/17/11 10:4		Matrix: Ground Water			_
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
VOLATILE ORGANIC COMPOUND	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	128 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	102 %	75-120	1	03/17/11	was	03/17/11	was		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Surrogates:	0.00 ug/2	0.93	•	00/11/11		00/22/11	۵		
Nitrobenzene-d5	54 %	36-103	1	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	57 %	36-119	1	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	70 %	37-109	1	03/17/11	kb	03/22/11	avl		
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T021953									
Phosphorus	<0.050 mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									

CERTIFICATE OF ANALYSIS

<0.0030 mg/L

0.0030

03/18/11

jd

03/21/11

Lead



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-34 Date Collected: 03/16/11 16:00 Matrix: Ground Water Sample ID: MW-30D Date Received: 03/17/11 10:47 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021919 Nitrate as N <0.25 mg/L 5 03/17/11 bd 03/17/11 bd 0.25 Sulfate as SO4 14 mg/L 2.5 5 03/17/11 bd 03/17/11 bd Analysis Method: EPA 350.1 Rev. 2.0 Batch: T021958 Ammonia as N 0.92 mg/L 0.010 03/21/11 03/21/11 sm Analysis Method: SM 2540 C-97 Batch: T021921 03/17/11 **Total Dissolved Solids** 330 mg/L 10 1 as 03/18/11 as Analysis Method: SM 2540 D-97 Batch: T021920 **Total Suspended Solids** 7.0 mg/L 4.0 1 03/17/11 as 03/17/11 as

VOLATILE ORGANIC COMPOUNDS BY GC

Analysis Method: RSK-175(MOD) / ISOTECH

Batch: T022046

Analysis Method: SM9215B Batch: T021917 **Heterotrophic Plate Count**

Methane 11 ug/L 03/22/11 03/22/11 Ν 1.0 was was

1.0

03/17/11

da

03/19/11

bd

250 CFU/ml



fax

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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-35 Sample ID: MW-30S			Collected: Received:	03/16/11 17:0 03/17/11 10:4		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
VOLATILE ORGANIC COMPOUND	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	10 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	38 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	1.4 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	39 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	129 %	68-133	1	03/17/11	was	03/17/11	was		
Toluene-d8	101 %	75-120	1	03/17/11	was	03/17/11	was		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate	390 ug/L	9.5	10	03/17/11	kb	03/22/11	avl		
Surrogates:	000 ug/=	3.3		••••••		00/22/11	•••		
Nitrobenzene-d5	52 %	36-103	10	03/17/11	kb	03/22/11	avl		
2-Fluorobiphenyl	69 %	36-119	10	03/17/11	kb	03/22/11	avl		
Terphenyl-d14	77 %	37-109	10	03/17/11	kb	03/22/11	avl		
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T021953									
Phosphorus	0.26 mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Analysis Method: EPA 6020 Batch: T021916									

CERTIFICATE OF ANALYSIS

<0.0030 mg/L

0.0030

1

03/18/11

jd

03/21/11

jd

Lead



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-35 Date Collected: 03/16/11 17:09 Matrix: Ground Water Sample ID: MW-30S Date Received: 03/17/11 10:45 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021919 Nitrate as N <0.25 mg/L 5 03/17/11 bd 03/17/11 bd 0.25 Sulfate as SO4 5.5 mg/L 2.5 5 03/17/11 bd 03/17/11 bd Analysis Method: EPA 350.1 Rev. 2.0 Batch: T021958 Ammonia as N 0.038 mg/L 0.010 03/21/11 sm 03/21/11 sm Analysis Method: SM 2540 C-97 Batch: T021921 03/17/11 **Total Dissolved Solids** 530 mg/L 10 1 as 03/18/11 as Analysis Method: SM 2540 D-97 Batch: T021920 **Total Suspended Solids** 42 mg/L 4.0 1 03/17/11 as 03/17/11 as Analysis Method: SM9215B Batch: T021917 **Heterotrophic Plate Count** 1200 CFU/ml 03/17/11 03/19/11 da bd 1.0 **VOLATILE ORGANIC COMPOUNDS BY GC** Analysis Method: RSK-175(MOD) / ISOTECH Batch: T022046

100

03/22/11

was

03/22/11

Ν

was

CERTIFICATE OF ANALYSIS

1600 ug/L

100

Methane



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Frace ID: T11C162-36 Sample ID: Dup-03			Collected: Received:	03/16/11 03/17/11 10	45	Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED) BY	ANALYZED	BY	NOTES	MCL
VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T021950									
Benzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Toluene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/17/11	was	03/17/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/17/11	was	03/17/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/17/11	was	03/17/11	was		
Surrogates:									
1,2-Dichloroethane-d4	124 % 101 %	68-133	1	03/17/11	was	03/17/11	was		
SEMI VOLATILE ODCANIC COMDO	OTINDS BY CC MS								
	DUNDS BY GC-MS								
Analysis Method: EPA 8270C	OUNDS BY GC-MS <0.95 ug/L	0.95	1	03/17/11	kb	03/22/11	avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates:	<0.95 ug/L								
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5	<0.95 ug/L 58 %	36-103	1	03/17/11	kb	03/22/11	avl		
Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl	<0.95 ug/L 58 % 61 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5	<0.95 ug/L 58 %	36-103	1	03/17/11	kb	03/22/11	avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	<0.95 ug/L 58 % 61 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl	<0.95 ug/L 58 % 61 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	<0.95 ug/L 58 % 61 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B	<0.95 ug/L 58 % 61 %	36-103 36-119	1	03/17/11 03/17/11	kb kb	03/22/11 03/22/11	avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953	<0.95 ug/L 58 % 61 % 76 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/22/11 03/22/11 03/22/11	avl avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953 Phosphorus	<0.95 ug/L 58 % 61 % 76 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/22/11 03/22/11 03/22/11	avl avl avl		
Analysis Method: EPA 8270C Batch: T021934 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953 Phosphorus METALS, DISSOLVED	<0.95 ug/L 58 % 61 % 76 %	36-103 36-119 37-109	1 1 1	03/17/11 03/17/11 03/17/11	kb kb kb	03/22/11 03/22/11 03/22/11	avl avl avl		



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ANALYTICAL RESULTS

Date Collected:

03/16/11

03/17/11

03/17/11

as

da

1

03/17/11

03/19/11

as

bd

900b

Matrix: Ground Water

Trace Project ID: T11C162

Trace ID:

Client Project ID: LEC / 01545.46.001

T11C162-36

Sample ID: Dup-03 Date Received: 03/17/11 10:45 **PARAMETERS RESULTS UNITS** RDL DILUTION **PREPARED** BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021919 Nitrate as N 3.4 mg/L 5 03/17/11 03/17/11 0.25 bd bd Sulfate as SO4 93 mg/L 2.5 5 03/17/11 bd 03/17/11 bd Analysis Method: EPA 350.1 Rev. 2.0 Batch: T021958 Ammonia as N 0.042 mg/L 0.010 03/21/11 sm 03/21/11 sm Analysis Method: SM 2540 C-97 Batch: T021921 03/17/11 **Total Dissolved Solids** 920 mg/L 10 1 as 03/18/11 as

VOLATILE ORGANIC COMPOUNDS BY GC

Analysis Method: RSK-175(MOD) / ISOTECH

Batch: T022046

Analysis Method: SM 2540 D-97
Batch: T021920

Total Suspended Solids

Analysis Method: SM9215B

Batch: T021917

Heterotrophic Plate Count

Methane <1.0 ug/L 1.0 1 03/22/11 was 03/22/11 was N

4.0

1.0

<4.0 mg/L

340 CFU/ml



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99 %

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ANALYTICAL RESULTS

Trace Project ID: T11C162

1,2-Dichloroethane-d4

Toluene-d8

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-37 Date Collected: 03/03/11 Matrix: Ground Water Sample ID: TB-02 Date Received: 03/17/11 10:45 **RESULTS UNITS PARAMETERS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8260B Batch: T022049 <0.50 ug/L 03/21/11 Benzene 0.50 1 was 03/21/11 was Toluene <0.50 ug/L 0.50 1 03/21/11 was 03/21/11 was Ethylbenzene <0.50 ug/L 03/21/11 0.50 1 03/21/11 was was m,p-Xylene <1.0 ug/L 1.0 1 03/21/11 was 03/21/11 was Ν <0.50 ug/L 03/21/11 03/21/11 o-Xylene Ν 0.50 1 was was Xylenes, total <1.5 ug/L 1 03/21/11 03/21/11 1.5 was was Surrogates: 95 %

68-133

75-120

1

03/21/11

03/21/11

was

was

03/21/11

03/21/11

was

was



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-38 Date Collected: 03/17/11 07:45 Matrix: Ground Water

Sample ID: MW-35S Date Received: 03/18/11 10:14

99 %

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL

VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analy	eie.	Method:	· FPA	8260B
Allalv	313	welliou.	. EFA	02000

Batch: T022028

Benzene	5.8 ug/L	0.50	1	03/21/11	was	03/21/11	was	
Toluene	30 ug/L	0.50	1	03/21/11	was	03/21/11	was	
Ethylbenzene	16000 ug/L	100	200	03/21/11	was	03/21/11	was	
m,p-Xylene	60000 ug/L	200	200	03/21/11	was	03/21/11	was	Ν
o-Xylene	23000 ug/L	100	200	03/21/11	was	03/21/11	was	Ν
Xylenes, total	83000 ug/L	300	200	03/21/11	was	03/21/11	was	
Surrogates:								
1,2-Dichloroethane-d4	112 %	68-133	1	03/21/11	was	03/21/11	was	
1,2-Dichloroethane-d4	113 %	68-133	200	03/21/11	was	03/21/11	was	
Toluene-d8	101 %	75-120	1	03/21/11	was	03/21/11	was	

75-120

200

03/21/11

was

03/21/11

was

SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Method: EPA 8270C

Batch: T021985

Toluene-d8

Bis(2-ethylhexyl)phthalate		570 ug/L	25	25	03/22/11	kb	03/23/11	avl	
Surrogates:									
Nitrobenzene-d5	*	%	36-103	25	03/22/11	kb	03/23/11	avl	302
2-Fluorobiphenyl	*	%	36-119	25	03/22/11	kb	03/23/11	avl	302
Terphenyl-d14	*	%	37-109	25	03/22/11	kb	03/23/11	avl	302

METALS, TOTAL

Analysis Method: EPA 6010B

Batch: T021953

Phosphorus 0.098 mg/L 0.050 1 03/21/11 ns 03/21/11 jlm

CERTIFICATE OF ANALYSIS

Report ID: T11C162 FINAL 03 25 11 1401 Page 68 of 111



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Гrace ID: T11C162-38 Sample ID: MW-35S			Collected: Received:	03/17/11 07:4 03/18/11 10:1		Matrix:	Ground V	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									
Lead	<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021947									
Nitrate as N	<0.25 mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	2.7 mg/L	2.5	5	03/18/11	bd	03/18/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021958									
Ammonia as N	0.11 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021961									
Total Dissolved Solids	430 mg/L	10	1	03/21/11	as	03/21/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021960									
Total Suspended Solids	39 mg/L	4.0	1	03/21/11	as	03/21/11	as		
Analysis Method: SM9215B									
Batch: T021948									
Heterotrophic Plate Count	580 CFU/ml	1.0	1	03/18/11	da	03/20/11	bd		
VOLATILE ORGANIC COMPOUNDS BY G	C								
Analysis Method: RSK-175(MOD) / ISOTECH	-								
Batch: T022046									
Methane	9200 ug/L	200	200	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-39 Sample ID: MW-34S			Collected: Received:	03/17/11 08:5 03/18/11 10:1		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T022028									
Benzene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	78 ug/L	0.50	1	03/21/11	was	03/21/11	was		
m,p-Xylene	240 ug/L	1.0	1	03/21/11	was	03/21/11	was	N	
o-Xylene	42 ug/L	0.50	1	03/21/11	was	03/21/11	was	N	
Xylenes, total	280 ug/L	1.5	1	03/21/11	was	03/21/11	was		
Surrogates:									
1,2-Dichloroethane-d4	112 %	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	99 %	75-120	1	03/21/11	was	03/21/11	was		
Analysis Method: EPA 8270C Batch: T021985									
Bis(2-ethylhexyl)phthalate	7.7 ug/L	0.96	1	03/22/11	kb	03/23/11	avl		
Surrogates:									
Nitrobenzene-d5	65 %	36-103	1	03/22/11	kb	03/23/11	avl		
2-Fluorobiphenyl	72 %	36-119	1	03/22/11	kb	03/23/11	avl		
Terphenyl-d14	84 %	37-109	1	03/22/11	kb	03/23/11	avl		
METALS, TOTAL									
Analysis Method: EPA 6010B									
Batch: T021953									
Phosphorus	<0.050 mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
	2,0009, 2	0.000	·				,		
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									
Batch: T021916 Lead	<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		

CERTIFICATE OF ANALYSIS



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Methane

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-39 Date Collected: 03/17/11 08:50 Matrix: Ground Water Sample ID: MW-34S Date Received: 03/18/11 10:14 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021947 Nitrate as N <0.25 mg/L 5 03/18/11 bd 03/18/11 bd 0.25 Sulfate as SO4 65 mg/L 2.5 5 03/18/11 bd 03/18/11 bd Analysis Method: EPA 350.1 Rev. 2.0 Batch: T021958 Ammonia as N 0.13 mg/L 0.010 03/21/11 sm 03/21/11 sm Analysis Method: SM 2540 C-97 Batch: T021961 **Total Dissolved Solids** 380 mg/L 03/21/11 10 1 as 03/21/11 as Analysis Method: SM 2540 D-97 Batch: T021960 **Total Suspended Solids** 6.0 mg/L 4.0 1 03/21/11 as 03/21/11 as Analysis Method: SM9215B Batch: T021948 **Heterotrophic Plate Count** 810 CFU/ml 03/18/11 03/20/11 900a da bd 1.0 **VOLATILE ORGANIC COMPOUNDS BY GC** Analysis Method: RSK-175(MOD) / ISOTECH Batch: T022046

CERTIFICATE OF ANALYSIS

270 ug/L

10

10

03/22/11

was

03/22/11

Ν

was



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03/21/11

was

03/21/11

was

ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-40 Date Collected: 03/17/11 08:20 Matrix: Ground Water

Sample ID: MW-32S Date Received: 03/18/11 10:14

100 %

RESULTS UNITS RDL **PARAMETERS** DILUTION PREPARED BY ANALYZED BY **NOTES** MCL

VOLATILE ORGANIC COMPOUNDS BY GC-MS

<u>Analysis</u>	Method:	EPA	8260B

Batch:	T022028
Benzene	

Benzene	3.3 ug/L	0.50	1	03/21/11	was	03/21/11	was	
Toluene	0.55 ug/L	0.50	1	03/21/11	was	03/21/11	was	
Ethylbenzene	3600 ug/L	50	100	03/21/11	was	03/21/11	was	
m,p-Xylene	11000 ug/L	100	100	03/21/11	was	03/21/11	was	Ν
o-Xylene	580 ug/L	50	100	03/21/11	was	03/21/11	was	Ν
Xylenes, total	11000 ug/L	150	100	03/21/11	was	03/21/11	was	
Surrogates:								
1,2-Dichloroethane-d4	115 %	68-133	1	03/21/11	was	03/21/11	was	
1,2-Dichloroethane-d4	114 %	68-133	100	03/21/11	was	03/21/11	was	
Toluene-d8	99 %	75-120	1	03/21/11	was	03/21/11	was	

75-120

100

SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Method: EPA 8270C

Batch: T021985

Toluene-d8

Bis(2-ethylhexyl)phthalate	2	:000 ug/L	50	50	03/22/11	kb	03/24/11	avl	
Surrogates:									
Nitrobenzene-d5	*	%	36-103	50	03/22/11	kb	03/24/11	avl	302
2-Fluorobiphenyl	*	%	36-119	50	03/22/11	kb	03/24/11	avl	302
Terphenyl-d14	*	%	37-109	50	03/22/11	kb	03/24/11	avl	302

METALS, TOTAL

Analysis Method: EPA 6010B

Batch: T021953

Phosphorus 0.17 mg/L 0.050 03/21/11 ns 03/21/11 jlm



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Frace ID: T11C162-40 Sample ID: MW-32S			Collected: Received:	03/17/11 08:2 03/18/11 10:1		Matrix:	Ground \	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									
Lead	<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021947									
Nitrate as N	<0.25 mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	120 mg/L	2.5	5	03/18/11	bd	03/18/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021958									
Ammonia as N	0.35 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021961									
Total Dissolved Solids	710 mg/L	10	1	03/21/11	as	03/21/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021960									
Total Suspended Solids	31 mg/L	4.0	1	03/21/11	as	03/21/11	as		
Analysis Method: SM9215B									
Batch: T021948									
Heterotrophic Plate Count	950 CFU/ml	1.0	1	03/18/11	da	03/20/11	bd	900a	
VOLATILE ORGANIC COMPOUNDS BY G	c								
	•								
Analysis Method: RSK-175(MOD) / ISOTECH Batch: T022046									
Methane	8700 ug/L	200	200	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Date Collected:

03/17/11 09:25

Matrix: Ground Water

Trace Project ID: T11C162

Trace ID:

Client Project ID: LEC / 01545.46.001

T11C162-41

Sample ID: MW-31S Date Received: 03/18/11 10:14 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8260B Batch: T022028 Benzene 4.3 ug/L 0.50 1 03/21/11 was 03/21/11 was Toluene 14 ug/L 0.50 1 03/21/11 was 03/21/11 was Ethylbenzene 4700 ug/L 100 03/21/11 03/21/11 50 was was 03/21/11 m,p-Xylene 16000 ug/L 100 100 03/21/11 was was Ν o-Xylene 4200 ug/L 100 03/21/11 03/21/11 Ν 50 was was 03/21/11 Xylenes, total 21000 ug/L 100 03/21/11 150 was was Surrogates: 109 % 1,2-Dichloroethane-d4 68-133 03/21/11 03/21/11 1 was was 114 % 1,2-Dichloroethane-d4 68-133 100 03/21/11 03/21/11 was was 100 % Toluene-d8 75-120 03/21/11 03/21/11 1 was was Toluene-d8 99 % 75-120 100 03/21/11 03/21/11 was was

SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Method: EPA 8270C

Batch: T021985

Bis(2-ethylhexyl)phthalate		330 ug/L	25	25	03/22/11	kb	03/23/11	avl	
Surrogates:									
Nitrobenzene-d5	*	%	36-103	25	03/22/11	kb	03/23/11	avl	302
2-Fluorobiphenyl	*	%	36-119	25	03/22/11	kb	03/23/11	avl	302
Terphenyl-d14	*	%	37-109	25	03/22/11	kb	03/23/11	avl	302

METALS, TOTAL

Analysis Method: EPA 6010B

Batch: T021953

Phosphorus 0.21 mg/L 0.050 1 03/21/11 ns 03/21/11 jlm



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Frace ID: T11C162-41 Sample ID: MW-31S			Collected: Received:	03/17/11 09:2 03/18/11 10:1		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
METALS, DISSOLVED									
Analysis Method: EPA 6020									
Batch: T021916									
Lead	<0.0030 mg/L	0.0030	1	03/18/11	jd	03/21/11	jd		
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021947									
Nitrate as N	<0.25 mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	120 mg/L	2.5	5	03/18/11	bd	03/18/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021958									
Ammonia as N	9.1 mg/L	0.10	10	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021961									
Total Dissolved Solids	620 mg/L	10	1	03/21/11	as	03/21/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021960									
Total Suspended Solids	<4.0 mg/L	4.0	1	03/21/11	as	03/21/11	as		
Analysis Method: SM9215B									
Batch: T021948									
Heterotrophic Plate Count	36000 CFU/ml	1.0	1	03/18/11	da	03/20/11	bd		
VOLATILE ORGANIC COMPOUNDS BY	GC GC								
Analysis Method: RSK-175(MOD) / ISOTEC									
Batch: T022046	···								
Methane	10000 ug/L	200	200	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Frace ID: T11C162-42 Sample ID: MW-33S			Collected: Received:	03/17/11 09: 03/18/11 10:		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MC
OLATILE ORGANIC COMPOUNDS	BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T022049									
Benzene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	2.5 ug/L	0.50	1	03/21/11	was	03/21/11	was		
m,p-Xylene	11 ug/L	1.0	1	03/21/11	was	03/21/11	was	N	
o-Xylene	3.0 ug/L	0.50	1	03/21/11	was	03/21/11	was	N	
Xylenes, total	14 ug/L	1.5	1	03/21/11	was	03/21/11	was		
Surrogates:									
1,2-Dichloroethane-d4	95 %	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	96 %	75-120	1	03/21/11	was	03/21/11	was		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate	280 ug/L	9.8	10	03/22/11	kb	03/24/11	avl		
Surrogates:	200 ug/2	3.0		00/12/11	11.5	00/2-#/11	۵.,		
Nitrobenzene-d5	* %	36-103	10	03/22/11	kb	03/24/11	avl	302	
2-Fluorobiphenyl	* %	36-119	10	03/22/11	kb	03/24/11	avl	302	
Terphenyl-d14	* %	37-109	10	03/22/11	kb	03/24/11	avl	302	
METALS, TOTAL									
Analysis Method: EPA 6010B									
Analysis Method: EPA 6010B Batch: T021953									
Analysis Method: EPA 6010B Batch: T021953 Phosphorus	0.080 mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
Batch: T021953	0.080 mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
Batch: T021953 Phosphorus METALS, DISSOLVED	0.080 mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		
Batch: T021953 Phosphorus	0.080 mg/L	0.050	1	03/21/11	ns	03/21/11	jlm		

CERTIFICATE OF ANALYSIS

<0.0030 mg/L

0.0030

1

03/18/11

jd

03/21/11

jd

Lead



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-42 Date Collected: 03/17/11 09:55 Matrix: Ground Water Sample ID: MW-33S Date Received: 03/18/11 10:14 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021947 Nitrate as N <0.25 mg/L 5 03/18/11 bd 03/18/11 bd 0.25 Sulfate as SO4 120 mg/L 2.5 5 03/18/11 bd 03/18/11 bd Analysis Method: EPA 350.1 Rev. 2.0 Batch: T021958 Ammonia as N 1.8 mg/L 0.010 03/21/11 sm 03/21/11 sm Analysis Method: SM 2540 C-97 Batch: T021961 **Total Dissolved Solids** 750 mg/L 03/21/11 10 1 as 03/21/11 as Analysis Method: SM 2540 D-97 Batch: T021960 **Total Suspended Solids** 23 mg/L 4.0 1 03/21/11 as 03/21/11 as Analysis Method: SM9215B Batch: T021948 **Heterotrophic Plate Count** 21000 CFU/ml 03/18/11 03/20/11 da bd 1.0

VOLATILE ORGANIC COMPOUNDS BY GC

Analysis Method: RSK-175(MOD) / ISOTECH

Batch: T022046

Methane 2200 ug/L 50 50 03/22/11 was 03/22/11 was N



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Frace ID: T11C162-43 Sample ID: RB-01			Collected: Received:	03/17/11 09: 03/18/11 10:		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
VOLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T022049									
Benzene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/21/11	was	03/21/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/21/11	was	03/21/11	was		
Surrogates:									
1,2-Dichloroethane-d4	80 %	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	96 %	75-120	1	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPO	DUNDS BY GC-MS								
Analysis Method: EPA 8270C									
Batch: T021985									
Bis(2-ethylhexyl)phthalate	<0.95 ug/L	0.95	1	03/22/11	kb	03/23/11	avl		
Surrogates:	40.07								
Nitrobenzene-d5	49 %	36-103	1	03/22/11	kb	03/23/11	avl		
2-Fluorobiphenyl	53 %	36-119	1	03/22/11	kb	03/23/11	avl		
Terphenyl-d14	59 %	37-109	1	03/22/11	kb	03/23/11	avl		



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-44 Sample ID: RB-02			Collected: Received:	03/17/11 09:4 03/18/11 10:1		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
VOLATILE ORGANIC COM	POUNDS BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T022049									
Benzene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/21/11	was	03/21/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/21/11	was	03/21/11	was		
Surrogates:									
1,2-Dichloroethane-d4	94 %	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	98 %	75-120	1	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC	COMPOUNDS BY GC-MS								
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate		0.98	1	03/22/11	kb	03/23/11	avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates:	<0.98 ug/L								
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5	<0.98 ug/L 60 %	36-103	1	03/22/11	kb	03/23/11	avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl	<0.98 ug/L 60 % 62 %	36-103 36-119	1	03/22/11 03/22/11	kb kb	03/23/11 03/23/11	avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5	<0.98 ug/L 60 %	36-103	1	03/22/11	kb	03/23/11	avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl	<0.98 ug/L 60 % 62 %	36-103 36-119	1	03/22/11 03/22/11	kb kb	03/23/11 03/23/11	avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL	<0.98 ug/L 60 % 62 %	36-103 36-119	1	03/22/11 03/22/11	kb kb	03/23/11 03/23/11	avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL	<0.98 ug/L 60 % 62 %	36-103 36-119	1	03/22/11 03/22/11	kb kb	03/23/11 03/23/11	avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B	<0.98 ug/L 60 % 62 %	36-103 36-119	1	03/22/11 03/22/11	kb kb	03/23/11 03/23/11	avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953	<0.98 ug/L 60 % 62 % 69 %	36-103 36-119 37-109	1 1 1	03/22/11 03/22/11 03/22/11	kb kb kb	03/23/11 03/23/11 03/23/11	avl avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953 Phosphorus	<0.98 ug/L 60 % 62 % 69 %	36-103 36-119 37-109	1 1 1	03/22/11 03/22/11 03/22/11	kb kb kb	03/23/11 03/23/11 03/23/11	avl avl avl		



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-44 Sample ID: RB-02			Collected: Received:	03/17/11 09:4 03/18/11 10:7		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCI
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1									
Batch: T021947									
Nitrate as N	<0.25 mg/L	0.25	5	03/18/11	bd	03/18/11	bd		
Sulfate as SO4	<2.5 mg/L	2.5	5	03/18/11	bd	03/18/11	bd		
Analysis Method: EPA 350.1 Rev. 2.0									
Batch: T021958									
Ammonia as N	0.045 mg/L	0.010	1	03/21/11	sm	03/21/11	sm		
Analysis Method: SM 2540 C-97									
Batch: T021961									
Total Dissolved Solids	<10 mg/L	10	1	03/21/11	as	03/21/11	as		
Analysis Method: SM 2540 D-97									
Batch: T021960									
Total Suspended Solids	<4.0 mg/L	4.0	1	03/21/11	as	03/21/11	as		
Analysis Method: SM9215B									
Batch: T021948									
Heterotrophic Plate Count	<1.0 CFU/ml	1.0	1	03/18/11	da	03/20/11	bd		
VOLATILE ORGANIC COMPOUNDS BY	GC								
Analysis Method: RSK-175(MOD) / ISOTECH	<u>1</u>								
Batch: T022046									
Methane	<1.0 ug/L	1.0	1	03/22/11	was	03/22/11	was	N	



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

race ID: T11C162-45 sample ID: RB-03			Collected: Received:	03/17/11 09: 03/18/11 10:		Matrix:	Ground	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	МС
OLATILE ORGANIC COMPOUNDS	S BY GC-MS								
Analysis Method: EPA 8260B									
Batch: T022049									
Benzene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
Toluene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
Ethylbenzene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was		
m,p-Xylene	<1.0 ug/L	1.0	1	03/21/11	was	03/21/11	was	N	
o-Xylene	<0.50 ug/L	0.50	1	03/21/11	was	03/21/11	was	N	
Xylenes, total	<1.5 ug/L	1.5	1	03/21/11	was	03/21/11	was		
Surrogates:									
1,2-Dichloroethane-d4	95 %	68-133	1	03/21/11	was	03/21/11	was		
Toluene-d8	97 %	75-120	1	03/21/11	was	03/21/11	was		
SEMI-VOLATILE ORGANIC COMPO	OUNDS BY GC-MS								
SEMI-VOLATILE ORGANIC COMPO Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates:	OUNDS BY GC-MS <0.98 ug/L	0.98	1	03/22/11	kb	03/23/11	avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate		0.98 36-103	1	03/22/11	kb kb	03/23/11	avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates:	<0.98 ug/L								
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5	<0.98 ug/L 56 %	36-103	1	03/22/11	kb	03/23/11	avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl	<0.98 ug/L 56 % 61 %	36-103 36-119	1	03/22/11 03/22/11	kb kb	03/23/11 03/23/11	avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	<0.98 ug/L 56 % 61 %	36-103 36-119	1	03/22/11 03/22/11	kb kb	03/23/11 03/23/11	avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	<0.98 ug/L 56 % 61 %	36-103 36-119	1	03/22/11 03/22/11	kb kb	03/23/11 03/23/11	avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B	<0.98 ug/L 56 % 61 %	36-103 36-119	1	03/22/11 03/22/11	kb kb	03/23/11 03/23/11	avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953 Phosphorus Analysis Method: EPA 6020	<0.98 ug/L 56 % 61 % 64 %	36-103 36-119 37-109	1 1 1	03/22/11 03/22/11 03/22/11	kb kb kb	03/23/11 03/23/11 03/23/11	avl avl avl		
Analysis Method: EPA 8270C Batch: T021985 Bis(2-ethylhexyl)phthalate Surrogates: Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 METALS, TOTAL Analysis Method: EPA 6010B Batch: T021953 Phosphorus	<0.98 ug/L 56 % 61 % 64 %	36-103 36-119 37-109	1 1 1	03/22/11 03/22/11 03/22/11	kb kb kb	03/23/11 03/23/11 03/23/11	avl avl avl		



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ANALYTICAL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-45 Date Collected: 03/17/11 09:50 Matrix: Ground Water Sample ID: **RB-03** Date Received: 03/18/11 10:14 **PARAMETERS RESULTS UNITS** RDL DILUTION PREPARED BY ANALYZED BY **NOTES** MCL **WET CHEMISTRY** Analysis Method: EPA 300.0 Rev. 2.1 Batch: T021947 Nitrate as N <0.25 mg/L 5 03/18/11 bd 03/18/11 bd 0.25 Sulfate as SO4 <2.5 mg/L 2.5 5 03/18/11 bd 03/18/11 bd Analysis Method: EPA 350.1 Rev. 2.0 Batch: T021958 Ammonia as N 0.048 mg/L 03/21/11 03/21/11 0.010 sm sm Analysis Method: SM 2540 C-97 Batch: T021961 **Total Dissolved Solids** <10 mg/L 10 1 03/21/11 as 03/21/11 as Analysis Method: SM 2540 D-97 Batch: T021960 **Total Suspended Solids** 11 mg/L 03/21/11 03/21/11 4.0 as as Analysis Method: SM9215B Batch: T021948 5.5 CFU/ml **Heterotrophic Plate Count** 1.0 03/18/11 da 03/20/11 bd **VOLATILE ORGANIC COMPOUNDS BY GC** Analysis Method: RSK-175(MOD) / ISOTECH Batch: T022046

03/22/11

was

03/22/11

was

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<1.0 ug/L

1.0

Methane



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<1.0 ug/L

<0.50 ug/L

<1.5 ug/L

95 %

97 %

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ANALYTICAL RESULTS

Trace Project ID: T11C162

m,p-Xylene

Xylenes, total

Surrogates:

Toluene-d8

1,2-Dichloroethane-d4

o-Xylene

Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-46 Date Collected: 03/03/11 Matrix: Ground Water Sample ID: TB-03 Date Received: 03/18/11 10:14 **RESULTS UNITS PARAMETERS** RDL DILUTION **PREPARED** BY ANALYZED BY **NOTES** MCL **VOLATILE ORGANIC COMPOUNDS BY GC-MS** Analysis Method: EPA 8260B Batch: T022049 <0.50 ug/L 03/21/11 Benzene 0.50 1 was 03/21/11 was Toluene <0.50 ug/L 0.50 1 03/21/11 was 03/21/11 was Ethylbenzene <0.50 ug/L 03/21/11 0.50 1 03/21/11 was was

1.0

0.50

1.5

68-133

75-120

1

1

1

1

03/21/11

03/21/11

03/21/11

03/21/11

03/21/11

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QUALITY CONTROL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T022046

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Samples

Analysis Description: Dissolved Gases

Analysis Method: RSK-175(MOD) / ISOTECH

METHOD BLANK: T022046-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Methane	ug/L	<1.0	1.0	

METHOD BLANK: T022046-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Methane	ua/L	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T022046-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Methane	ug/L	12.8	12.0	94	70-130	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022046-MSD1 Original: T11C162-11

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Methane	ug/L	0.586	12.8	14.2	14.2	106	106	70-130	0.3	15	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022046-MSD2 Original: T11C162-28

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Methane	ug/L	0.467	12.8	13.6	13.1	103	99	70-130	4	15	

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch Method: EPA 3015 Microwave Assisted

Digestions for Liquids

QC Batch: T021944

Analysis Description: Phosphorus, Total

Analysis Method: EPA 6010B

METHOD BLANK: T021944-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Phosphorus	mg/L	<0.050	0.050	



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LABORATORY CONTROL SAMPLE: T021944-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Phosphorus	mg/L	8.89	7.82	88	80-120	_

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021944-MSD1				Original: T11C162-28							
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Phosphorus	mg/L	0	8.89	8.05	7.98	91	90	75-125	0.9	20	

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T021953 Analysis Description: Phosphorus, Total QC Batch Method: EPA 3015 Microwave Assisted Analysis Method: EPA 6010B

Digestions for Liquids

METHOD BLANK: T021953-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Phosphorus	mg/L	<0.050	0.050	

LABORATORY CONTROL SAMPLE: T021953-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Phosphorus	mg/L	8.89	8.42	95	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021953-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Phosphorus	mg/L	0.166	8.89	8.88	8.95	98	99	75-125	0.9	20	

Original: T11C162-30

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T021889 Analysis Description: Lead, Dissolved QC Batch Method: Analysis Method: EPA 6020

METHOD BLANK: T021889-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Lead	ma/l	<0.0030	0.0030	

LABORATORY CONTROL SAMPLE: T021889-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Lead	mg/L	0.250	0.253	101	80-120	

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Parameter Lead QC Batch: T021916 QC Batch Method: METHOD BLANK: T021916-BLK1 Parameter Lead LABORATORY CONTROL SAMPLE Parameter Lead MATRIX SPIKE / MATRIX SPIKE DU Parameter Lead QC Batch: T021953 QC Batch Method: EPA 3015 Microway Digestions for Liquids	Units mg/L	Sp Co 0.2 : T021916-N Original Result	Client Dike Dike Dinc.	Blank Result <0.0030 LCS Result 0.252	EC / 0154 alysis Des alysis Mel	Reporting Limit 0.0030 LCS % Re 101	c	Limit 75-125 d % Rec Limit 80-120	RPD 2	20 20	Notes
QC Batch: T021916 QC Batch Method: IETHOD BLANK: T021916-BLK1 arameter ead ABORATORY CONTROL SAMPLE arameter ead IATRIX SPIKE / MATRIX SPIKE DU arameter ead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	Units mg/L : T021916 Units mg/L PLICATE: Units	S-BS1 Sp Co 0.2 : T021916-N Original Result	Trace Client	Blank Result <0.0030 LCS Result 0.252	T1C162 EC / 0154 alysis Des alysis Met	Reporting Limit 0.0030	d, Dissolver 020	d % Rec Limit			
QC Batch Method: IETHOD BLANK: T021916-BLK1 arameter ead ABORATORY CONTROL SAMPLE arameter ead IATRIX SPIKE / MATRIX SPIKE DU arameter ead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	mg/L : T021916 Units mg/L PLICATE: Units	Sp Co 0.2 : T021916-N Original Result	Client bike binc. 250	Blank Result <0.0030 LCS Result 0.252	EC / 0154 alysis Des alysis Met	Reporting Limit 0.0030 LCS % Re	c	% Rec Limit			
QC Batch Method: METHOD BLANK: T021916-BLK1 Parameter ead ABORATORY CONTROL SAMPLE Parameter ead MATRIX SPIKE / MATRIX SPIKE DU Parameter ead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	mg/L : T021916 Units mg/L PLICATE: Units	Sp Co 0.2 : T021916-N Original Result	oike onc. 250 //SD1 Spike	Blank Result <0.0030	alysis Des alysis Met t	Reporting Limit 0.0030 LCS % Re	c	% Rec Limit			
QC Batch Method: METHOD BLANK: T021916-BLK1 Parameter Lead LABORATORY CONTROL SAMPLE Parameter Lead MATRIX SPIKE / MATRIX SPIKE DU Parameter Lead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	mg/L : T021916 Units mg/L PLICATE: Units	Sp Co 0.2 : T021916-N Original Result	pike onc. 250 #SD1 Spike	Blank Result <0.0030 LCS Result 0.252	alysis Met	Reporting Limit 0.0030 LCS % Re	c	% Rec Limit			
METHOD BLANK: T021916-BLK1 Parameter Lead LABORATORY CONTROL SAMPLE Parameter Lead MATRIX SPIKE / MATRIX SPIKE DU Parameter Lead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	mg/L : T021916 Units mg/L PLICATE: Units	Sp Co 0.2 : T021916-N Original Result	pike onc. 250 #SD1 Spike	Blank Result <0.0030 LCS Result 0.252	it Original:	Reporting Limit 0.0030 LCS % Re	С	Limit			
Parameter _ead _ABORATORY CONTROL SAMPLE Parameter _ead MATRIX SPIKE / MATRIX SPIKE DU Parameter _ead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	mg/L : T021916 Units mg/L PLICATE: Units	Sp Co 0.2 : T021916-N Original Result	pike onc. 250 #SD1 Spike	Result <0.0030 LCS Result 0.252	t P: Original:	Limit 0.0030 LCS % Re	С	Limit			
LABORATORY CONTROL SAMPLE Parameter Lead MATRIX SPIKE / MATRIX SPIKE DU Parameter Lead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	mg/L : T021916 Units mg/L PLICATE: Units	Sp Co 0.2 : T021916-N Original Result	pike onc. 250 #SD1 Spike	Result <0.0030 LCS Result 0.252	t P: Original:	Limit 0.0030 LCS % Re	С	Limit			
Parameter : T021916 Units mg/L PLICATE: Units	Sp Co 0.2 : T021916-N Original Result	pike onc. 250 #SD1 Spike	LCS Resul 0.252	Original:	LCS % Re 101	С	Limit			Notes	
Parameter Lead MATRIX SPIKE / MATRIX SPIKE DU Parameter Lead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	Units mg/L PLICATE: Units	Sp Co 0.2 : T021916-N Original Result	250 #SD1 Spike	0.252 MS	Original:	% Re	С	Limit			Notes
.ead MATRIX SPIKE / MATRIX SPIKE DU Parameter .ead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	mg/L PLICATE: Units	: T021916-N Original Result	250 #SD1 Spike	0.252 MS	Original:	% Re	С	Limit			Notes
MATRIX SPIKE / MATRIX SPIKE DU Parameter Lead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	mg/L PLICATE: Units	: T021916-N Original Result	//SD1 Spike	MS	Original		28				
Parameter .ead QC Batch: T021953 QC Batch Method: EPA 3015 Microway	Units	Original Result	Spike	MS		: T11C162-2	28				
QC Batch Method: EPA 3015 Microwav		0		Result 0.284 e Project ID: T	0.282 11C162	MS <u>% Rec</u> 114	MSD % Rec 113	% Rec Limit 75-125	RPD 1	Max RPD 20	Note
QC Batch Method: EPA 3015 Microwav			Clien	t Project ID: L	EC / 0154	15.46.001					
	e Assisted				-	scription: Lea thod: EPA 6					
METHOD BLANK: T021953-BLK1											
Parameter	Units			Blank Result		Reporting Limit					Notes
ead	mg/L			<0.0030		0.0030					
_ABORATORY CONTROL SAMPLE	: T021953	3-BS1									
Parameter	Units		oike onc.	LCS Resul		LCS % Re		% Rec Limit			Note
ead	mg/L	0.0	556	0.0662	2	119		80-120			
					Onlester	. T 440400 1	20				
MATRIX SPIKE / MATRIX SPIKE DU	PLICATE	: T021953-N Original	/ISD1 Spike	MS	Original: MSD	: T11C162-3	MSD	% Rec		Max	Note

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Result

Result

% Rec

% Rec

Parameter

Units

Result

Limit

RPD



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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021953-MSD1

Original: T11C162-30

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Lead	mg/L	0.00765	0.0556	0.0739	0.0758	119	123	75-125	3	20	

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021910

QC Batch Method: EPA 3510C Separatory Funnel

Liquid-Liquid Extr.

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T021910-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dimethyl phthalate	ug/L	<2.5	2.5	
Diethyl phthalate	ug/L	<2.5	2.5	
Di-n-butyl phthalate	ug/L	<2.5	2.5	
Butyl benzyl phthalate	ug/L	<2.5	2.5	
Bis(2-ethylhexyl)phthalate	ug/L	<1.0	1.0	
Di-n-octyl phthalate	ug/L	<2.5	2.5	
Dihexyl phthalate	ug/L	<5.0	5.0	
Diisononyl phthalate	ug/L	<5.0	5.0	
Diisodecyl phthalate	ug/L	<5.0	5.0	
Nitrobenzene-d5 (S)	%	54	36-103	
2-Fluorobiphenyl (S)	%	60	36-119	
Terphenyl-d14 (S)	%	82	37-109	

LABORATORY CONTROL SAMPLE: T021910-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Dimethyl phthalate	ug/L	100	81.7	82	53-101	
Diethyl phthalate	ug/L	100	78.0	78	53-106	
Di-n-butyl phthalate	ug/L	100	82.7	83	54-101	
Butyl benzyl phthalate	ug/L	100	82.4	82	53-110	
Bis(2-ethylhexyl)phthalate	ug/L	100	82.9	83	57-107	
Di-n-octyl phthalate	ug/L	100	80.1	80	54-120	
Nitrobenzene-d5 (S)	%	100	69.5	69	36-103	
2-Fluorobiphenyl (S)	%	100	77.7	78	36-119	
Terphenyl-d14 (S)	%	100	86.0	86	37-109	

Original: T11C162-21 MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021910-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Dimethyl phthalate	ug/L	0	95.2	72.1	56.9	76	60	53-97	23	25	
Diethyl phthalate	ug/L	0	95.2	77.0	59.6	81	63	49-102	25	27	
Di-n-butyl phthalate	ug/L	0.552	95.2	73.3	61.4	76	64	52-99	18	21	
Butyl benzyl phthalate	ug/L	0	95.2	75.6	61.2	79	64	52-106	21	29	
Bis(2-ethylhexyl)phthalate	ug/L	1.78	95.2	78.9	62.2	81	63	52-106	24	29	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021910-MSD1

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Original	: 11	1C1	62-21

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Di-n-octyl phthalate	ug/L	0	95.2	75.2	64.0	79	67	49-119	16	26	
Nitrobenzene-d5 (S)	%		95.2	69.3	59.8	73	63	36-103			
2-Fluorobiphenyl (S)	%		95.2	73.5	60.7	77	64	36-119			
Terphenyl-d14 (S)	%		95.2	74.6	64.5	78	68	37-109			

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021934

QC Batch Method: EPA 3510C Separatory Funnel

Liquid-Liquid Extr.

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T021934-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dimethyl phthalate	ug/L	<2.5	2.5	
Diethyl phthalate	ug/L	<2.5	2.5	
Di-n-butyl phthalate	ug/L	<2.5	2.5	
Butyl benzyl phthalate	ug/L	<2.5	2.5	
Bis(2-ethylhexyl)phthalate	ug/L	<1.0	1.0	
Di-n-octyl phthalate	ug/L	<2.5	2.5	
Nitrobenzene-d5 (S)	%	65	36-103	
2-Fluorobiphenyl (S)	%	71	36-119	
Terphenyl-d14 (S)	%	82	37-109	

LABORATORY CONTROL SAMPLE: T021934-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Dimethyl phthalate	ug/L	100	73.6	74	53-101	
Diethyl phthalate	ug/L	100	77.7	78	53-106	
Di-n-butyl phthalate	ug/L	100	80.8	81	54-101	
Butyl benzyl phthalate	ug/L	100	75.7	76	53-110	
Bis(2-ethylhexyl)phthalate	ug/L	100	78.5	78	57-107	
Di-n-octyl phthalate	ug/L	100	78.1	78	54-120	
Nitrobenzene-d5 (S)	%	100	73.2	73	36-103	
2-Fluorobiphenyl (S)	%	100	78.4	78	36-119	
Terphenyl-d14 (S)	%	100	87.7	88	37-109	

Original: T11C162-28 MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021934-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Dimethyl phthalate	ug/L	0	101	62.5	75.6	62	75	53-97	19	25	
Diethyl phthalate	ug/L	0	101	63.9	79.7	63	79	49-102	22	27	
Di-n-butyl phthalate	ug/L	0.657	101	64.6	85.7	63	84	52-99	28	21	207
Butyl benzyl phthalate	ug/L	0	101	61.1	79.4	61	79	52-106	26	29	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021934-MSD1

Original	l:	T11	C1	62	-28
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Bis(2-ethylhexyl)phthalate	ug/L	0.545	101	64.3	82.8	63	81	52-106	25	29	
Di-n-octyl phthalate	ug/L	0	101	64.0	82.7	63	82	49-119	26	26	
Nitrobenzene-d5 (S)	%		101	52.9	64.5	52	64	36-103			
2-Fluorobiphenyl (S)	%		101	58.6	70.4	58	70	36-119			
Terphenyl-d14 (S)	%		101	70.9	81.8	70	81	37-109			

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021985

QC Batch Method: EPA 3510C Separatory Funnel

Liquid-Liquid Extr.

Analysis Description: Semi-volatiles, TCL list

Analysis Method: EPA 8270C

METHOD BLANK: T021985-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dimethyl phthalate	ug/L	<2.5	2.5	
Diethyl phthalate	ug/L	<2.5	2.5	
Di-n-butyl phthalate	ug/L	<2.5	2.5	
Butyl benzyl phthalate	ug/L	<2.5	2.5	
Bis(2-ethylhexyl)phthalate	ug/L	<1.0	1.0	
Di-n-octyl phthalate	ug/L	<2.5	2.5	
Dihexyl phthalate	ug/L	<5.0	5.0	
Diisononyl phthalate	ug/L	<5.0	5.0	
Diisodecyl phthalate	ug/L	<5.0	5.0	
Nitrobenzene-d5 (S)	%	74	36-103	
2-Fluorobiphenyl (S)	%	74	36-119	
Terphenyl-d14 (S)	%	84	37-109	

LABORATORY CONTROL SAMPLE: T021985-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Dimethyl phthalate	ug/L	100	85.1	85	53-101	
Diethyl phthalate	ug/L	100	87.3	87	53-106	
Di-n-butyl phthalate	ug/L	100	82.6	83	54-101	
Butyl benzyl phthalate	ug/L	100	89.5	90	53-110	
Bis(2-ethylhexyl)phthalate	ug/L	100	93.3	93	57-107	
Di-n-octyl phthalate	ug/L	100	97.6	98	54-120	
Nitrobenzene-d5 (S)	%	100	82.8	83	36-103	
2-Fluorobiphenyl (S)	%	100	86.3	86	36-119	
Terphenyl-d14 (S)	%	100	102	102	37-109	

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021923

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Samples

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

Analysis Method: EPA 8260B

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METHOD BLANK: T021923-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Methyl-tert-butyl ether	ug/L	<5.0	5.0	
Benzene	ug/L	<1.0	1.0	
Toluene	ug/L	<1.0	1.0	
Ethylbenzene	ug/L	<1.0	1.0	
m,p-Xylene	ug/L	<2.0	2.0	
o-Xylene	ug/L	<1.0	1.0	
Xylenes, total	ug/L	<3.0	3.0	
1,2-Dichloroethane-d4 (S)	%	114	68-133	
Toluene-d8 (S)	%	99	75-120	

LABORATORY CONTROL SAMPLE: T021923-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	19.6	98	80-120	
Toluene	ug/L	20.0	19.2	96	80-120	
1,2-Dichloroethane-d4 (S)	%	35.0	40.0	114	68-133	
Toluene-d8 (S)	%	30.0	30.3	101	75-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021923-MSD1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021923-MSD1				Original: T11C162-21							
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Benzene	ug/L	0	20.0	18.9	17.7	94	88	78-114	7	11	
Toluene	ug/L	0	20.0	19.1	18.1	96	91	77-118	5	10	
1,2-Dichloroethane-d4 (S)	%		35.0	39.2	40.8	112	117	68-133			
Toluene-d8 (S)	%		30.0	30.3	30.9	101	103	75-120			

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T021950 Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

QC Batch Method: EPA 8260B Analysis Method: EPA 8260B

METHOD BLANK: T021950-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Methyl-tert-butyl ether	ug/L	<0.50	0.50	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	123	68-133	
Toluene-d8 (S)	%	101	75-120	

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LABORATORY CONTROL SAMPLE: T021950-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	17.4	87	80-120	
Toluene	ug/L	20.0	17.7	89	80-120	
1,2-Dichloroethane-d4 (S)	%	35.0	42.5	121	68-133	
Toluene-d8 (S)	%	30.0	31.2	104	75-120	

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T021972 Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

QC Batch Method: EPA 8260B Analysis Method: EPA 8260B

METHOD BLANK: T021972-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	95	68-133	
Toluene-d8 (S)	%	98	75-120	

LABORATORY CONTROL SAMPLE: T021972-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	17.4	87	80-120	
Toluene	ug/L	20.0	17.9	90	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.2	94	68-133	
Toluene-d8 (S)	%	45.0	44.4	99	75-120	

Original: T11C162-28RE1 MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021972-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Benzene	ug/L	0	400	355	357	89	89	78-114	0.6	11	
Toluene	ug/L	0	400	431	399	108	100	77-118	8	10	
1,2-Dichloroethane-d4 (S)	%		45.0	42.8	42.4	95	94	68-133			
Toluene-d8 (S)	%		45.0	43.9	43.7	98	97	75-120			

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

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QC Batch: T022028

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

Analysis Method: EPA 8260B

METHOD BLANK: T022028-BLK1

QC Batch Method: EPA 8260B

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	113	68-133	
Toluene-d8 (S)	%	99	75-120	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	113	68-133	
Toluene-d8 (S)	%	99	75-120	

LABORATORY CONTROL SAMPLE: T022028-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	20.1	100	80-120	
Toluene	ug/L	20.0	20.2	101	80-120	
1,2-Dichloroethane-d4 (S)	%	35.0	39.6	113	68-133	
Toluene-d8 (S)	%	30.0	30.3	101	75-120	
Benzene	ug/L	20.0	20.1	100	80-120	
Toluene	ug/L	20.0	20.2	101	80-120	
1,2-Dichloroethane-d4 (S)	%	35.0	39.6	113	68-133	
Toluene-d8 (S)	%	30.0	30.3	101	75-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022028-MSD1

Original:	T11C162	-26RE1
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Benzene	ug/L	0	2000	1900	1850	95	92	78-114	3	11	
Toluene	ug/L	39600	2000	40800	39900	60	13	77-118	128	10	231
1,2-Dichloroethane-d4 (S)	%		35.0	40.3	38.7	115	111	68-133			
Toluene-d8 (S)	%		30.0	30.4	30.4	101	101	75-120			
Benzene	ug/L	0	2000	1900	1850	95	92	78-114	3	11	
Toluene	ug/L	39600	2000	40800	39900	60	13	77-118	128	10	231
1,2-Dichloroethane-d4 (S)	%		35.0	40.3	38.7	115	111	68-133			

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022028-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Toluene-d8 (S)	%		30.0	30.4	30.4	101	101	75-120			

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T022035 Analysis Description: Volatiles, BTEX/MTBE (GC/MS) QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Analysis Method: EPA 8260B

Samples

METHOD BLANK: T022035-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	87	68-133	
Toluene-d8 (S)	%	80	75-120	

LABORATORY CONTROL SAMPLE: T022035-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	16.8	84	80-120	
Toluene	ug/L	20.0	16.7	83	80-120	
1,2-Dichloroethane-d4 (S)	%	30.0	25.7	86	68-133	
Toluene-d8 (S)	%	30.0	24.1	80	75-120	

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T022049 Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Analysis Method: EPA 8260B

Samples

METHOD BLANK: T022049-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
1,3-Butadiene	ug/L	<1.0	1.0	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	92	68-133	
Toluene-d8 (S)	%	99	75-120	

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METHOD BLANK: T022049-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Methyl-tert-butyl ether	ug/L	<0.50	0.50	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	92	68-133	
Toluene-d8 (S)	%	99	75-120	

LABORATORY CONTROL SAMPLE: T022049-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	17.1	86	80-120	
Toluene	ug/L	20.0	17.4	87	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.6	95	68-133	
Toluene-d8 (S)	%	45.0	43.7	97	75-120	
Benzene	ug/L	20.0	17.1	86	80-120	
Toluene	ug/L	20.0	17.4	87	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.6	95	68-133	
Toluene-d8 (S)	%	45.0	43.7	97	75-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022049-MSD1

Units

ug/L

ug/L

%

%

ug/L

ug/L

%

%

Original

Result

0

262

0

262

Spike

Conc.

200

200

45.0

45.0

200

200

45.0

45.0

MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
180	182	90	91	78-114	0.6	11	
460	464	99	101	77-118	2	10	
42.6	42.3	95	94	68-133			
43.9	43.8	98	97	75-120			
180	182	90	91	78-114	0.6	11	
460	464	99	101	77-118	2	10	

68-133 75-120

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

42.3

43.8

42.6

43.9

QC Batch: T022052

1,2-Dichloroethane-d4 (S)

1,2-Dichloroethane-d4 (S)

QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous

Samples

Parameter

Benzene

Toluene

Benzene

Toluene

Toluene-d8 (S)

Toluene-d8 (S)

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

94

97

Analysis Method: EPA 8260B

95

98

Original: T11C162-30RE1

METHOD BLANK: T022052-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes	



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METHOD BLANK: T022052-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Benzene	ug/L	<1.0	1.0	
Toluene	ug/L	<1.0	1.0	
Ethylbenzene	ug/L	<1.0	1.0	
m,p-Xylene	ug/L	<2.0	2.0	
o-Xylene	ug/L	<1.0	1.0	
Xylenes, total	ug/L	<3.0	3.0	
1,2-Dichloroethane-d4 (S)	%	111	68-133	
Toluene-d8 (S)	%	98	75-120	

LABORATORY CONTROL SAMPLE: T022052-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	19.6	98	80-120	
Toluene	ug/L	20.0	19.8	99	80-120	
1,2-Dichloroethane-d4 (S)	%	35.0	38.8	111	68-133	
Toluene-d8 (S)	%	30.0	30.0	100	75-120	

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T022053

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

Analysis Method: EPA 8260B

METHOD BLANK: T022053-BLK1

QC Batch Method: EPA 8260B

Parameter	Units	Blank Result	Reporting Limit	Not
1,3-Butadiene	ug/L	<1.0	1.0	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Kylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	88	68-133	
Γoluene-d8 (S)	%	99	75-120	

LABORATORY CONTROL SAMPLE: T022053-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	16.8	84	80-120	
Toluene	ug/L	20.0	17.5	88	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	39.9	89	68-133	
Toluene-d8 (S)	%	45.0	44.1	98	75-120	

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

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QC Batch: T022054

QC Batch Method: EPA 8260B

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)

Analysis Method: EPA 8260B

METHOD BLANK: T022054-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
1,3-Butadiene	ug/L	<1.0	1.0	
Benzene	ug/L	<0.50	0.50	
Toluene	ug/L	<0.50	0.50	
Ethylbenzene	ug/L	<0.50	0.50	
m,p-Xylene	ug/L	<1.0	1.0	
o-Xylene	ug/L	<0.50	0.50	
Xylenes, total	ug/L	<1.5	1.5	
1,2-Dichloroethane-d4 (S)	%	95	68-133	
Toluene-d8 (S)	%	98	75-120	

LABORATORY CONTROL SAMPLE: T022054-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Benzene	ug/L	20.0	17.4	87	80-120	
Toluene	ug/L	20.0	17.9	90	80-120	
1,2-Dichloroethane-d4 (S)	%	45.0	42.2	94	68-133	
Toluene-d8 (S)	%	45.0	44.4	99	75-120	

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T021899

Analysis Description: Nitrate

QC Batch Method: IC Prep W

Analysis Method: EPA 300.0 Rev. 2.1

METHOD BLANK: T021899-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Nitrate as N	mg/L	<0.050	0.050	
Sulfate as SO4	ma/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T021899-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Nitrate as N	mg/L	0.500	0.451	90	90-110	
Sulfate as SO4	mg/L	2.50	2.47	99	90-110	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021899-MSD1

Original:	T11C162-11

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Nitrate as N	mg/L	1.04	6.00	6.76	6.77	95	95	80-120	0.2	20	

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~ · · ·			
Original:	· T11	IC162	2-11

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Sulfate as SO4	mg/L	10.5	30.0	38.2	38.9	92	95	80-120	3	20	

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021919 Analysis Description: Nitrate

QC Batch Method: IC Prep W Analysis Method: EPA 300.0 Rev. 2.1

METHOD BLANK: T021919-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Nitrate as N	mg/L	<0.050	0.050	
Sulfate as SO4	ma/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T021919-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Nitrate as N	mg/L	0.500	0.502	100	90-110	
Sulfate as SO4	mg/L	2.50	2.34	94	90-110	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021919-MSD1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Nitrate as N	mg/L	3.50	6.00	9.31	9.50	97	100	80-120	3	20	
Sulfate as SO4	mg/L	80.6	30.0	130	130	166	165	80-120	0.8	20	222

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021947 Analysis Description: Nitrate

QC Batch Method: IC Prep W Analysis Method: EPA 300.0 Rev. 2.1

METHOD BLANK: T021947-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Nitrate as N	mg/L	<0.050	0.050	
Sulfate as SO4	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T021947-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Nitrate as N	mg/L	0.500	0.492	98	90-110	
Sulfate as SO4	mg/L	2.50	2.38	95	90-110	

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MATRIX SPIKE / MATRIX SPIKE DI IPI ICATE: T021947-MSD1	Original: T11C162-44

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Nitrate as N	mg/L	0	1.20	1.01	1.02	84	85	80-120	0.5	20	
Sulfate as SO4	mg/L	0	6.00	4.92	5.18	82	86	80-120	5	20	

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T021908 Analysis Description: Nitrogen, Ammonia QC Batch Method: EPA 350.1 Rev. 2.0 Analysis Method: EPA 350.1 Rev. 2.0

METHOD BLANK: T021908-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Ammonia as N	ma/l	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T021908-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Ammonia as N	mg/L	1.00	0.992	99	90-110	

MATRIX SPIKE / MATRIX SPIKE DUPI ICATE: T021908-MSD1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021908-MSD1					Original: T11C162-11						
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Ammonia as N	mg/L	0.0284	1.00	0.962	0.964	93	94	90-110	0.2	7.9	

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T021958 Analysis Description: Nitrogen, Ammonia QC Batch Method: EPA 350.1 Rev. 2.0 Analysis Method: EPA 350.1 Rev. 2.0

METHOD BLANK: T021958-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Ammonia as N	mg/L	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T021958-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Ammonia as N	mg/L	1.00	0.989	99	90-110	

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Report ID: T11C162 FINAL 03 25 11 1401 Page 98 of 111



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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021958-MSD1	Original: T11C162-28
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Ammonia as N	mg/L	0.0438	1.00	0.984	0.961	94	92	90-110	2	7.9	

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021895 Analysis Description: Total Dissolved Solids

QC Batch Method: SM 2540 C-97 Analysis Method: SM 2540 C-97

METHOD BLANK: T021895-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Dissolved Solids	mg/L	<10	10	

SAMPLE DUPLICATE: T021895-DUP1

Original: T11C162-11

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Dissolved Solids	mg/L	283	283	0	20	

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021921 Analysis Description: Total Dissolved Solids

QC Batch Method: SM 2540 C-97 Analysis Method: SM 2540 C-97

METHOD BLANK: T021921-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Dissolved Solids	mg/L	<10	10	

SAMPLE DUPLICATE: T021921-DUP1

Original: **T11C162-28**

Parameter	Units	Original Result	DUP Result		Max RPD	Notes
Total Dissolved Solids	mg/L	1010	1020	0.6	20	

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021961 Analysis Description: Total Dissolved Solids
QC Batch Method: SM 2540 C-97 Analysis Method: SM 2540 C-97

METHOD BLANK: T021961-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Dissolved Solids	ma/L	<10	10	



SAMPLE DUPLICATE: T021961-DUP1

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Original: T11C162-38

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Parameter	Units	Original Result	DUP Result			RPD	Max RPD	Notes
Total Dissolved Solids	mg/L	426	423			0.7	20	
		Т	race Project ID: T110	0162				
		C	lient Project ID: LEC	/ 01545.46.001				
QC Batch: T021896			Analys	is Description: Total Susp	ended Solids			
QC Batch Method: SM 2540 D-97			Analys	is Method: SM 2540 D-97	7			
METHOD BLANK: T021896-BLK1								
Parameter	Units		Blank Result	Reporting Limit				Notes
Total Suspended Solids	mg/L		<10	10				
LABORATORY CONTROL SAMPI	_E: T021896	6-BS1						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit			Notes
Total Suspended Solids	mg/L	50.0	49.0	98	85-115			
SAMPLE DUPLICATE: T021896-D	UP1	Original: T11C16	2-11					
Parameter	Units	Original Result	DUP Result			RPD	Max RPD	Notes

Trace Project ID: T11C162

14.0

Client Project ID: LEC / 01545.46.001

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QC Batch: T021920 Analysis Description: Total Suspended Solids

QC Batch Method: SM 2540 D-97 Analysis Method: SM 2540 D-97

14.0

mg/L

METHOD BLANK: T021920-BLK1

Total Suspended Solids

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Suspended Solids	mg/L	<10	10	

LABORATORY CONTROL SAMPLE: T021920-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Suspended Solids	mg/L	50.0	48.0	96	85-115	

SAMPLE DUPLICATE: T021920-DUP1 Original: T11C162-28

Parameter	Units	Original Result	DUP Result	RP	Max D RPD	Notes
Total Suspended Solids	mg/L	2.00	2.00	0	20	

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Report ID: T11C162 FINAL 03 25 11 1401 Page 100 of 111



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Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T021960 Analysis Description: Total Suspended Solids

QC Batch Method: SM 2540 D-97 Analysis Method: SM 2540 D-97

METHOD BLANK: T021960-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Suspended Solids	mg/L	<10	10	

LABORATORY CONTROL SAMPLE: T021960-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Suspended Solids	mg/L	50.0	50.0	100	85-115	

SAMPLE DUPLICATE: T021960-DUP1

Original		

Parameter	Units	Original Result	DUP Result	Max RPD RPD Notes
Total Suspended Solids	mg/L	39.0	39.0	0 20

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T021888 Analysis Description: Heterotrophic Plate Count

QC Batch Method: SM9215B Analysis Method: SM9215B

METHOD BLANK: T021888-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Heterotrophic Plate Count	CFU/ml	> 300	1.0	

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021917 Analysis Description: Heterotrophic Plate Count

QC Batch Method: SM9215B Analysis Method: SM9215B

METHOD BLANK: T021917-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Heterotrophic Plate Count	CFU/ml	<1.0	1.0	

Trace Project ID: T11C162 Client Project ID: LEC / 01545.46.001

QC Batch: T021948 Analysis Description: Heterotrophic Plate Count

QC Batch Method: SM9215B Analysis Method: SM9215B

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METHOD BLANK: T021948-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Heterotrophic Plate Count	CFU/ml	<1.0	1.0	

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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

CHAIN-OF-CUSTODY	RECORD
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Trace Analytical	Laboratoria	Inc
Truce Analytical	Laboratories,	mc.

TRACE ID NO. T/10.162

phone 231.773.5998 Trace Analytical Laboratories, In toll-free 800.733.5998 2241 Black Creek Road											A, Inc. Page d of] [1/1C/62													
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231.773.59 800.733.59 231.773.65
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3.5998	2241 Black Creek Road
3.6537	Muskegon, MI 49444-2673
	info@trace-labs.com
	www trace-labs com

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hone	231.773.5998	
oll-free	800.733.5998	
ax	231.773.6537	

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1.773.6537	Muskegon, MI 49444-2673
	info@trace-labs.com
	www.trace-labs.com

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	n executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.																						

231.773.5998 800.733.5998 231.773.6537

phone toll-free fax

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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

phone	231.773.599
toll-free	800.733.599
fax	231.773.653

	CHAIN-OF-CUSTODY RE											ECC	RD				1		1	Γ	TF	RACE ID	NO.	
-	TF	PREE phone 231.773.5998 Trace Analytical Laborator toll-free 800.733.5998 2241 Black Creek Road													Р	age_	ļ	of_		_	TII	C14	2	
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							www.trac	e-labs.com			TRACE USE ONLY	-	ged By:	-	7	\			hecke		101	2		_
	Client Name: RMT, Inc											Rece	eived o	n ice:	Yes) No		Pre	eserva	tive Ch	ecked:	Yes	No N/	Α
ö	Contact Person: Scott Pawlukiow.cz										TRA	Soil	Volatile	es Pres	erved:	Me	OH L	ow Le	vel L	ab S	ampling T	me:		
Its.	Mailing Address: 2025 & Beltline Ave SE																							
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Report	Email Address: Scott, Pawlukiowicz										Drinking Water										\ir			
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	Project Name & #: LEC 01545,46.001 ANALYSIS REQUESTED																							
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1) Sutthdell Fld Egg 3-17-11 1630 3))															
Ple	2) Fep-Ex (Smul) 3/18/11 10:14 4)																							
	executing this Chain of Custody, the client acknowledges acceptance of the terms and conditions of the agreement as set forth at http://www.trace-labs.com/cocterms.php																							



phone 231.773.5998 toll-free 800.733.5998 fax 231.773.6537

Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

SAMPLE LOG IN CHECKLIST

Date: 3/16/1/ Client Name:	RMT # of Coolers: 5
Trace ID #: T//C/62 Project Name: /	EC . Cooler #s:
Logged in by:	Wishald Cooler #s:
Coole	r Receipt
· Trace courier	
Cooler/samples delivered by: Hand delivered	
Commercial courier	UPS DHL FED EX US Mail
Did cooler come with a bill of lading?	
Yes	
COC Seals present and intact on cooler? No Yes	Not Applicable
Custody seals signed by Client? No	Client custody seal # (if applicable):
Yes	·
Coolant an	d Temperature
Type of Coolant Used	Cooler Temperature Correction Factor 10 / °C
Yes No	Date: 3/16/11 Time: // . //
Slurry w/ crushed, cubed, or chip ice?	Temperature Blank: °C
Multiple bags of ice around samples?	Range of 3 samples: °C
Ice Packs/ Blue Ice :	Melt Water: °C
No Coolant Present:	ice still present upon receipt: Yes No
Go	eneral
	Yes No NA
	cooler lid?
All bottles arrived unbroken with labels in good	
Each sample point is in a sealed p Labels filled out c	
All bottle labels agree with Chain of Custo	4(COC)3
Sufficient sample to run tests r	
pH checked and samples at o	
Correct preservative added to	
DRO/GRO samples received and appropriate check in form of	
Air bubbles absent fr	om VOAs?
	d by client?
	custodian?
Was project manager called and samples o	discussed?
Contact:	Date:
Notes:	*
	,

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phone toll-free fax

231.773.5998 800.733.5998 231.773.6537 Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

SAMPLE LOG IN CHECKLIST

Date: 3 -17-// Client Name: R/	m / # of Coolers: 4
Trace ID#: T11C162 Project Name:	Cooler #s:
Logged in by:	Cooler #s:
	r Receipt
· Trace courier	
Cooler/samples delivered by: Hand delivered	Name of delivery person:
Commercial courier	UPS DHL FED EX US Mail
Did cooler come with a bill of lading?	Not Applicable
Yes	Way Bill or Tracking #:
COC Seals present and intact on cooler? No X	Not Applicable
Yes	
Custody seals signed by Client? No	Client custody seal # (if applicable):
Yes	
	d Temperature
Type of Coolant Used	Cooler Temperature Correction Factor + 0.2°C
Yes No	Date: <u>3 - ノフ〜リ</u> Time: <u>/ 0 : 4,5</u> Temperature Blank: <u>3 , し 5 , 4</u> °C
Slurry w/ crushed, cubed, or chip ice? Multiple bags of ice around samples?	Temperature Blank: 3, 1 5, 4 °C Range of 3 samples: 3 - 5 °C
Ice Packs/ Blue Ice :	Melt Water: °C
No Coolant Present:	Ice still present upon receipt: Yes No
	eneral
Ge	Yes No NA
COC taped to inside of	cooler lid?
All bottles arrived unbroken with labels in good	
Each sample point is in a sealed pla	astic bag?
Labels filled out co	ompletely?
All bottle labels agree with Chain of Custoo	
Sufficient sample to run tests re	orroot nH2
pH checked and samples at co Correct preservative added to	
DRO/GRO samples received and appropriate check in form of	
	om VOAs?
COC filled out properly and signed	I by client?
	custodian?
Was project manager called and samples d	liscussed?
Contact:	Date:
Notes:	

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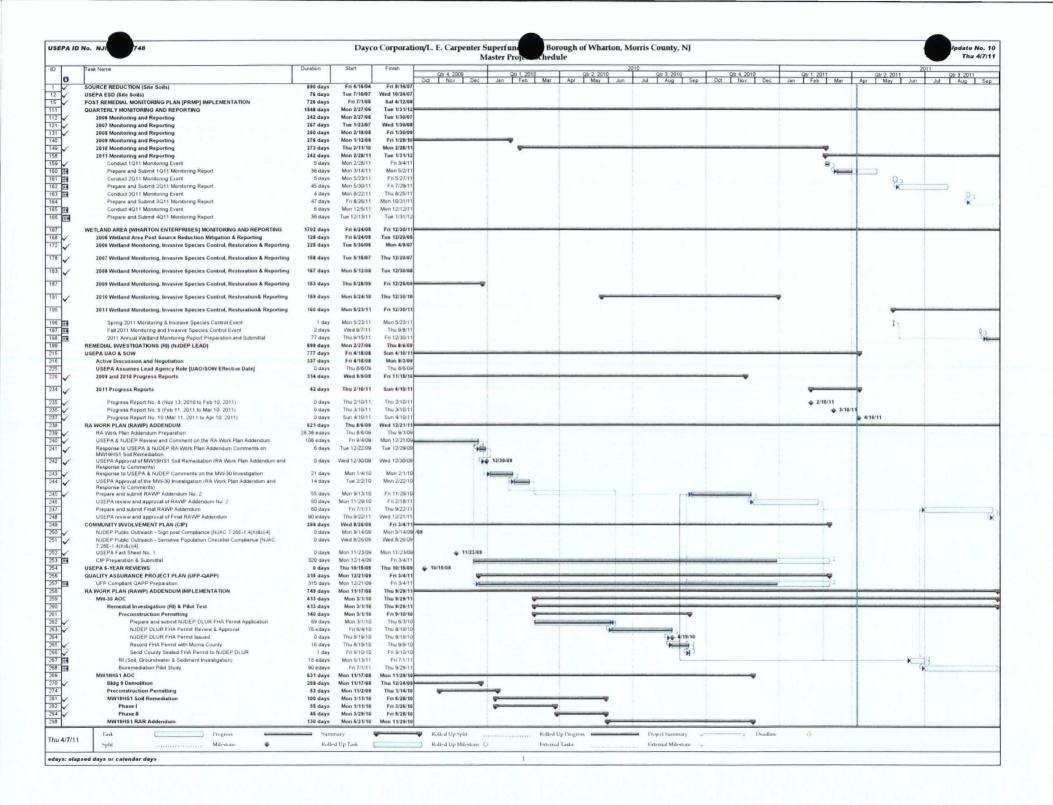
Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673 info@trace-labs.com www.trace-labs.com

SAMPLE LOG IN CHECKLIST

Date: 3-18-1/	Client Name: <u>R</u> p	17	# of Coolers:
Trace ID #: 11 C 16 2	Project Name:	AD)	Cooler #s:
	Logged in by:	m	Cooler #s:
	Cooler	Receipt	,
•	Trace courier	<u> </u>	
Cooler/samples delivered by:	Hand delivered	Name of delivery pers	son:
	Commercial courier	Y UPS C	HL FED EX US Mail
Did cooler come with a bill of lading?	No	→ No	t Applicable
	Yes	Way Bill or Tracking	g #:
COC Seals present and intact on cooler?	No 🗔	Not Applicable	
	Yes		
Custody seals signed by Client?	No X	Client custody seal # (if applicat	ole):
* 17 74	Yes \		
		l Temperature	
Type of Coolant Us		Cooler Temperature	
Slurry w/ crushed, cubed, or chip ice	Yes No	Date: <u>Z -/% ^//</u> Temperature Bla	Time: 10 · 14
Multiple bags of ice around samples		Range of 3 samp	
Ice Packs/ Blue Ice	=	Melt Wa	
No Coolant Present:		Ice still present upon rece	
	Ge	neral	
			Yes No No
	COC taped to inside of	cooler lid?	F
All bottles arrived unbrok	en with labels in good	52.75	
Each sampl	e point is in a sealed pla	astic bag?	
	Labels filled out co	mpletely?	
I	ee with Chain of Custoo		
AAROLINAS SE	nt sample to run tests re	areat all?	
	cked and samples at co t preservative added to	0.00010.02	两一一
DRO/GRO samples received and appr	• • • • • • • • • • • • • • • • • • • •	- HERMITTE CONTRACTOR OF THE PROPERTY OF THE P	
	Air bubbles absent fro		
COC filled	out properly and signed		
COC signed	I in by TRACE sample of	custodian?	
Was project manage	er called and samples d	iscussed?	
Contact:			ate:
Notes: Sample, TILCIG	2-43 or	ry had 4 b	ottles
	, i	1	
			Rev.8 11/21/06

TRACE Analytical Laboratories, Inc.

Appendix C Project Schedule



USEPA ID No. N.J. Dayco Corporation/L. E. Carpenter Superfun Borough of Wharton, Morris County, N.J. Master Project Schedule											Update No. 10 Thu 4/7/11					
6	USEP/ MW19HS1 Install	ddendum preparation and sul Review and Approval Post Remedial Groundwate JSEPA approved performanc s investigation - MW19HS1 a	r Performance Monitor		8 days	Mon 11/8/10 Mon 11/8/10	Finish Tue 7/20/10 Mon 11/29/10 Thu 11/18/10 Fri 11/12/10	Qtr 4, 2009 Oct Nov De		 2, 2010 May Jun	Qtr 3, 2010 Jul Aug Se	Qtr 4, 2011 p Oct Nov	Qtr 1	2011 eb Mar Ap	Qtr 2, 2011	2011 Qtr 3, 2011 Jul Aug S
			Progress					Rolled Up Split			N/- 7/0		Deadline Ö			